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OM protein - protein search, using sw model

Run on: March 8, 2005, 20:36:07 ; Search time 50 Seconds
(without alignments)
791.280 Million cell updates/sec

Title: US-08-906-365-2
Perfect score: 2805
Sequence: 1 MDIKNSPSSLSNPSYNSQ.....ECSPAEDSKSKEGQNPOSQ 530

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/prodata/1/iaa/5A COMB.pep.*
2: /cgn2_6/prodata/1/iaa/5B COMB.pep.*
3: /cgn2_6/prodata/1/iaa/6A COMB.pep.*
4: /cgn2_6/prodata/1/iaa/6B COMB.pep.*
5: /cgn2_6/prodata/1/iaa/PCUS COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2805	100.0	530	4	US-09-608-088-25
2	2805	100.0	530	4	US-09-711-288-25
3	2805	100.0	530	4	US-09-768-185A-3
4	2805	100.0	548	3	US-09-139-617-1
5	2805	100.0	548	4	US-09-561-741A-1
6	2805	100.0	548	4	US-09-558-795-1
7	2805	100.0	551	4	US-09-949-016-7434
8	2554	91.1	485	2	US-08-836-620A-3
9	2522	89.9	477	4	US-09-608-088-5
10	2522	89.9	477	4	US-09-711-288-5
11	2291	81.7	485	2	US-08-836-620A-2
12	2286	81.5	484	2	US-08-836-620A-13
13	2267	80.8	485	2	US-08-836-620A-5
14	2262	80.6	484	2	US-08-836-620A-14
15	2198	78.4	416	4	US-09-608-088-6
16	2198	78.4	416	4	US-09-711-288-6
17	2198	78.4	416	4	US-09-608-088-21
18	2198	78.4	418	4	US-09-711-288-21
19	2017	71.9	384	2	US-08-836-620A-15
20	1233.5	44.0	595	3	US-08-764-870-12
21	1233.5	44.0	595	3	US-08-980-115-12
22	1224.5	43.7	595	3	US-09-041-886-35
23	1224.5	43.7	595	4	US-08-453-998-2
24	1224.5	43.7	595	4	US-09-949-016-5889
25	1224.5	43.7	595	4	US-10-052-092-9
26	1224.5	43.7	595	4	US-10-052-092-13
27	1224.5	43.7	595	4	US-10-052-092-14

28	1224.5	43.7	595	4	US-10-081-563-2	Sequence 2, Appli
29	1224.5	43.7	595	4	US-10-144-198-42	Sequence 42, Appl
30	1222.5	43.6	591	2	US-08-836-620A-17	Sequence 17, Appl
31	1219.5	43.5	595	4	US-10-052-092-31	Sequence 31, Appl
32	1219.5	43.5	595	4	US-10-052-092-30	Sequence 30, Appl
33	1214.5	43.3	596	2	US-08-836-620A-16	Sequence 16, Appl
34	1199	42.1	575	4	US-09-893-666A-2	Sequence 2, Appli
35	1181	42.1	233	4	US-09-608-088-4	Sequence 4, Appli
36	1181	42.1	233	4	US-09-711-288-4	Sequence 4, Appli
37	1174.5	41.9	701	4	US-10-052-092-12	Sequence 12, Appl
38	1160	41.4	410	6	5223606-5	Patent No. 5223606
39	1160	41.4	410	6	5223606-5	Patent No. 5223606
40	1126.5	40.2	229	3	US-09-249-645-1	Sequence 1, Appli
41	1111.5	39.6	229	4	US-09-844-1328-1	Sequence 2, Appli
42	1064	37.9	228	3	US-09-249-645-2	Sequence 1, Appli
43	1064	37.9	228	4	US-09-844-1328-2	Sequence 2, Appli
44	1055	37.6	226	2	US-08-836-620A-7	Sequence 7, Appli
45	810	28.9	773	3	US-08-564-264-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-608-088-25
; Sequence 25, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 25
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-608-088-25

Query Match	100.0%	Score	2805;	DB	4;	Length	530;
Best Local Similarity	100.0%	Pred. No.	1.5e-291;				
Matches	530;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
QY	1	MDIKNSPSSLSNPSYNSQSILPLEHGSIVIPSSYVDSHHEYPAMTFYSPAMVNSIFS	60				
DB	1	MDIKNSPSSLSNPSYNSQSILPLEHGSIVIPSSYVDSHHEYPAMTFYSPAMVNSIFS	60				
QY	61	NVTNLEGGPGQTTPNVLTTPGHLSPVVRQLSHLYAEPOKSPWCPCARSLEHTLPVN	120				
DB	61	NVTNLEGGPGQTTPNVLTTPGHLSPVVRQLSHLYAEPOKSPWCPCARSLEHTLPVN	120				
QY	121	RETLKRKYSNGRCASPVTPGSKRDAHFCVCSDYASGYHYGVMSCEGKAFKRSIOGH	180				
DB	121	RETLKRKYSNGRCASPVTPGSKRDAHFCVCSDYASGYHYGVMSCEGKAFKRSIOGH	180				
QY	181	NDYICPATNQTIDKNRKSQACRLKCYEYGVMSKRSRRCRGYLRVRRORSADQLH	240				
DB	181	NDYICPATNQTIDKNRKSQACRLKCYEYGVMSKRSRRCRGYLRVRRORSADQLH	240				
QY	241	CAGKAKRSGGHAPRVRELLDALSPEQLVLTLLAEPPHVLISRPSPAPTEASMMSLTK	300				
DB	241	CAGKAKRSGGHAPRVRELLDALSPEQLVLTLLAEPPHVLISRPSPAPTEASMMSLTK	300				
QY	301	LADKELVHMSWAKKIPGFVLSLFDQVRLLSCEWMEVLMGLMWRSIDHPGLIFAPDL	360				

Db 301 LADKELVHMSWAKKIPGFVLSLFDQVRLLESQWNEVLMMGLMWSRIDHPGKLIIFAPDL 360
Qy 361 VLDRDEGKCEGILEIFDMLATTSRFRELKQHKYLCVKAMILLNSSMYPLVTATODA 420
Db 361 VLDRDEGKCEGILEIFDMLATTSRFRELKQHKYLCVKAMILLNSSMYPLVTATODA 420
Qy 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASNKGMEHLNKK 480
Db 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASNKGMEHLNKK 480
Qy 481 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530
Db 481 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530

RESULT 2

US-09-711-288-25
; Sequence 25, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosseiman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-711-288-25

Query Match 100.0%; Score 2805; DB 4; Length 530;
Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDIKNSPSSLSNPSSYNCSSQILPLEHGSIVIPSSYVDSHHEYPAMTFYSPAVNNYSIPS 60
Db 1 MDIKNSPSSLSNPSSYNCSSQILPLEHGSIVIPSSYVDSHHEYPAMTFYSPAVNNYSIPS 60
Qy 61 NVTNLEGGPGROTTSPNVLWPTPGHLSPLVVRHQLSHLYAEPQKSPWCARSLEHTLPVN 120
Db 61 NVTNLEGGPGROTTSPNVLWPTPGHLSPLVVRHQLSHLYAEPQKSPWCARSLEHTLPVN 120
Qy 121 RETLKRKVSNGRCASPTVPGSKRDHAFCAVCSYASGYHGVMSCEGCKAFKRSIQGH 180
Db 121 RETLKRKVSNGRCASPTVPGSKRDHAFCAVCSYASGYHGVMSCEGCKAFKRSIQGH 180
Qy 181 NDVICPATNCTIDKNRRKSCQACRLKCYEVGMVKCGRRRCGYLVRQRSADEQLH 240
Db 181 NDVICPATNCTIDKNRRKSCQACRLKCYEVGMVKCGRRRCGYLVRQRSADEQLH 240
Qy 241 CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPHVLISRRPSAPFTTEASMMSLTK 300
Db 241 CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPHVLISRRPSAPFTTEASMMSLTK 300
Qy 301 LADKELVHMSWAKKIPGFVLSLFDQVRLLESQWNEVLMMGLMWSRIDHPGKLIIFAPDL 360
Db 301 LADKELVHMSWAKKIPGFVLSLFDQVRLLESQWNEVLMMGLMWSRIDHPGKLIIFAPDL 360
Qy 361 VLDRDEGKCEGILEIFDMLATTSRFRELKQHKYLCVKAMILLNSSMYPLVTATODA 420
Db 361 VLDRDEGKCEGILEIFDMLATTSRFRELKQHKYLCVKAMILLNSSMYPLVTATODA 420

Qy 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASNKGMEHLNKK 480
Db 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASNKGMEHLNKK 480
Qy 481 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530
Db 481 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530

RESULT 3

US-09-768-185A-3
; Sequence 3, Application US/09768185A
; Patent No. 6818758
; GENERAL INFORMATION:
; APPLICANT: Casseel, Michael et al
; TITLE OF INVENTION: Estrogen receptor beta variants and
; FILE REFERENCE: CL000280
; CURRENT APPLICATION NUMBER: US/09/768,185A
; CURRENT FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 09768185
; PRIOR FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Human
US-09-768-185A-3

Query Match 100.0%; Score 2805; DB 4; Length 530;
Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDIKNSPSSLSNPSSYNCSSQILPLEHGSIVIPSSYVDSHHEYPAMTFYSPAVNNYSIPS 60
Db 1 MDIKNSPSSLSNPSSYNCSSQILPLEHGSIVIPSSYVDSHHEYPAMTFYSPAVNNYSIPS 60
Qy 61 NVTNLEGGPGROTTSPNVLWPTPGHLSPLVVRHQLSHLYAEPQKSPWCARSLEHTLPVN 120
Db 61 NVTNLEGGPGROTTSPNVLWPTPGHLSPLVVRHQLSHLYAEPQKSPWCARSLEHTLPVN 120
Qy 121 RETLKRKVSNGRCASPTVPGSKRDHAFCAVCSYASGYHGVMSCEGCKAFKRSIQGH 180
Db 121 RETLKRKVSNGRCASPTVPGSKRDHAFCAVCSYASGYHGVMSCEGCKAFKRSIQGH 180
Qy 181 NDVICPATNCTIDKNRRKSCQACRLKCYEVGMVKCGRRRCGYLVRQRSADEQLH 240
Db 181 NDVICPATNCTIDKNRRKSCQACRLKCYEVGMVKCGRRRCGYLVRQRSADEQLH 240
Qy 241 CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPHVLISRRPSAPFTTEASMMSLTK 300
Db 241 CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPHVLISRRPSAPFTTEASMMSLTK 300
Qy 301 LADKELVHMSWAKKIPGFVLSLFDQVRLLESQWNEVLMMGLMWSRIDHPGKLIIFAPDL 360
Db 301 LADKELVHMSWAKKIPGFVLSLFDQVRLLESQWNEVLMMGLMWSRIDHPGKLIIFAPDL 360
Qy 361 VLDRDEGKCEGILEIFDMLATTSRFRELKQHKYLCVKAMILLNSSMYPLVTATODA 420
Db 361 VLDRDEGKCEGILEIFDMLATTSRFRELKQHKYLCVKAMILLNSSMYPLVTATODA 420
Qy 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASNKGMEHLNKK 480
Db 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASNKGMEHLNKK 480
Qy 481 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530
Db 481 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530

RESULT 4

US-09-139-617-1

; Sequence 1, Application US/09139617
; Patent No. 6222015
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/139,617
; CURRENT FILING DATE: 1998-08-25
; EARLIER APPLICATION NUMBER: 60/058,271
; EARLIER FILING DATE: 1997-09-08
; EARLIER APPLICATION NUMBER: 60/060,520
; EARLIER FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 548
; TYPE: PRT
; ORGANISM: HUMAN
US-09-139-617-1

Query Match 100.0%; Score 2805; DB 3; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.6e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MDIKNSPSSLSNPSYNCSQSIPLHSGSIYIPSSYVDVSHHHEYPA	60
DB	19	MDIKNSPSSLSNPSYNCSQSIPLHSGSIYIPSSYVDVSHHHEYPA	78
QY	61	NVTNLEGGGRQTTSPNVLWPTPGHLSPLVVRHQLSHLYAEQKSPWC	120
DB	79	NVTNLEGGGRQTTSPNVLWPTPGHLSPLVVRHQLSHLYAEQKSPWC	138
QY	121	RETLKRVSGNRCASPVTPGSKRDAHFCVCSYASGYHYGVWCEGCKA	180
DB	139	RETLKRVSGNRCASPVTPGSKRDAHFCVCSYASGYHYGVWCEGCKA	198
QY	181	NDYICPATNOCTIDKNRRKSCOACRLKCYEYGMVKCGRRCRGYRLV	240
DB	199	NDYICPATNOCTIDKNRRKSCOACRLKCYEYGMVKCGRRCRGYRLV	258
QY	241	CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPPHVLISRP	300
DB	259	CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPPHVLISRP	318
QY	301	LADKELVHMSWAKKIPGVFELSFDQVRLLESWMVLMGLMWSIDHP	360
DB	319	LADKELVHMSWAKKIPGVFELSFDQVRLLESWMVLMGLMWSIDHP	378
QY	361	VLDRDEGKCVGILEIFDMLLATTSRRELKQHKYLCVKAMILLNSM	420
DB	379	VLDRDEGKCVGILEIFDMLLATTSRRELKQHKYLCVKAMILLNSM	438
QY	421	DSSRLAHLNNAVTDALVWVIKSGISSQQSMRLANLLMLSHVRHAS	480
DB	439	DSSRLAHLNNAVTDALVWVIKSGISSQQSMRLANLLMLSHVRHAS	498
QY	481	CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSON	530
DB	499	CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSON	548

RESULT 5
US-09-561-741A-1
; Sequence 1, Application US/09561741A
; Patent No. 6458551
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/561,741A
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/139,617
; PRIOR FILING DATE: 1998-08-25

; PRIOR APPLICATION NUMBER: 60/058,271
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: 60/060,520
; PRIOR FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 548
; TYPE: PRT
; ORGANISM: HUMAN
US-09-561-741A-1

Query Match 100.0%; Score 2805; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.6e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MDIKNSPSSLSNPSYNCSQSIPLHSGSIYIPSSYVDVSHHHEYPA	60
DB	19	MDIKNSPSSLSNPSYNCSQSIPLHSGSIYIPSSYVDVSHHHEYPA	78
QY	61	NVTNLEGGGRQTTSPNVLWPTPGHLSPLVVRHQLSHLYAEQKSPWC	120
DB	79	NVTNLEGGGRQTTSPNVLWPTPGHLSPLVVRHQLSHLYAEQKSPWC	138
QY	121	RETLKRVSGNRCASPVTPGSKRDAHFCVCSYASGYHYGVWCEGCKA	180
DB	139	RETLKRVSGNRCASPVTPGSKRDAHFCVCSYASGYHYGVWCEGCKA	198
QY	181	NDYICPATNOCTIDKNRRKSCOACRLKCYEYGMVKCGRRCRGYRLV	240
DB	199	NDYICPATNOCTIDKNRRKSCOACRLKCYEYGMVKCGRRCRGYRLV	258
QY	241	CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPPHVLISRP	300
DB	259	CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPPHVLISRP	318
QY	301	LADKELVHMSWAKKIPGVFELSFDQVRLLESWMVLMGLMWSIDHP	360
DB	319	LADKELVHMSWAKKIPGVFELSFDQVRLLESWMVLMGLMWSIDHP	378
QY	361	VLDRDEGKCVGILEIFDMLLATTSRRELKQHKYLCVKAMILLNSM	420
DB	379	VLDRDEGKCVGILEIFDMLLATTSRRELKQHKYLCVKAMILLNSM	438
QY	421	DSSRLAHLNNAVTDALVWVIKSGISSQQSMRLANLLMLSHVRHAS	480
DB	439	DSSRLAHLNNAVTDALVWVIKSGISSQQSMRLANLLMLSHVRHAS	498
QY	481	CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSON	530
DB	499	CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSON	548

RESULT 6
US-09-558-795-1
; Sequence 1, Application US/09558795
; Patent No. 6562592
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/558,795
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/139,617
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/058,271
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: 60/060,520
; PRIOR FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 548

; TYPE: PRT
; ORGANISM: HUMAN
US-09-558-795-1

Query Match 100.0%; Score 2805; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.6e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDIKNPSLNSPSSYNCQSILPLEHGSIIYIPSSYVDSSHHEYPAWTFYSPAVMNYSPS 60
DB 19 MDIKNPSLNSPSSYNCQSILPLEHGSIIYIPSSYVDSSHHEYPAWTFYSPAVMNYSPS 78
QY 61 NVTNLEGGPGROTTSPNVLPWTPGHLSPVVRHQLSHLYAEPOKSPWCPEARSLHTLPVN 120
DB 79 NVTNLEGGPGROTTSPNVLPWTPGHLSPVVRHQLSHLYAEPOKSPWCPEARSLHTLPVN 138
QY 121 RETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVMSCEGCKAFFKRSIQGH 180
DB 139 RETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVMSCEGCKAFFKRSIQGH 198
QY 181 NDYICPATNCTIDKNRRKSCQACRLRKYEVGMVKCGRRRRCGYRLVRRORSADQLH 240
DB 199 NDYICPATNCTIDKNRRKSCQACRLRKYEVGMVKCGRRRRCGYRLVRRORSADQLH 258
QY 241 CAGKAKSGGHPRVRELLDALSPQLVLTLLAEPPHVLISRPSAPPTASMMMSLTK 300
DB 259 CAGKAKSGGHPRVRELLDALSPQLVLTLLAEPPHVLISRPSAPPTASMMMSLTK 318
QY 301 LADKELVHMSWAKKIPGFVELSLFDQVRLLESCWMEVLMGLMWSIDHPGKLI FAPDL 360
DB 319 LADKELVHMSWAKKIPGFVELSLFDQVRLLESCWMEVLMGLMWSIDHPGKLI FAPDL 378
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DB 379 VLDREKGCVEGILEIFDMLLATTSRRELKQHKYLCVKAMILLNSMYPLVTATQDA 438
QY 421 DSSRLAHLNNAVTDALVWVIKSGISSQQOSMRANLLMLLSHVHRHASNKGMEHLNKK 480
DB 439 DSSRLAHLNNAVTDALVWVIKSGISSQQOSMRANLLMLLSHVHRHASNKGMEHLNKK 498
QY 481 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSO 530
DB 499 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSO 548
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RESULT 7

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US-09-949-016-7434
; Sequence 7434, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7434
; LENGTH: 551
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7434
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Query Match 100.0%; Score 2805; DB 4; Length 551;
Best Local Similarity 100.0%; Pred. No. 1.6e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDIKNPSLNSPSSYNCQSILPLEHGSIIYIPSSYVDSSHHEYPAWTFYSPAVMNYSPS 60
DB 22 MDIKNPSLNSPSSYNCQSILPLEHGSIIYIPSSYVDSSHHEYPAWTFYSPAVMNYSPS 81
QY 61 NVTNLEGGPGROTTSPNVLPWTPGHLSPVVRHQLSHLYAEPOKSPWCPEARSLHTLPVN 120
DB 82 NVTNLEGGPGROTTSPNVLPWTPGHLSPVVRHQLSHLYAEPOKSPWCPEARSLHTLPVN 141
QY 121 RETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVMSCEGCKAFFKRSIQGH 180
DB 142 RETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVMSCEGCKAFFKRSIQGH 201
QY 181 NDYICPATNCTIDKNRRKSCQACRLRKYEVGMVKCGRRRRCGYRLVRRORSADQLH 240
DB 202 NDYICPATNCTIDKNRRKSCQACRLRKYEVGMVKCGRRRRCGYRLVRRORSADQLH 261
QY 241 CAGKAKSGGHPRVRELLDALSPQLVLTLLAEPPHVLISRPSAPPTASMMMSLTK 300
DB 262 CAGKAKSGGHPRVRELLDALSPQLVLTLLAEPPHVLISRPSAPPTASMMMSLTK 321
QY 301 LADKELVHMSWAKKIPGFVELSLFDQVRLLESCWMEVLMGLMWSIDHPGKLI FAPDL 360
DB 322 LADKELVHMSWAKKIPGFVELSLFDQVRLLESCWMEVLMGLMWSIDHPGKLI FAPDL 381
QY 361 VLDREKGCVEGILEIFDMLLATTSRRELKQHKYLCVKAMILLNSMYPLVTATQDA 420
DB 382 VLDREKGCVEGILEIFDMLLATTSRRELKQHKYLCVKAMILLNSMYPLVTATQDA 441
QY 421 DSSRLAHLNNAVTDALVWVIKSGISSQQOSMRANLLMLLSHVHRHASNKGMEHLNKK 480
DB 442 DSSRLAHLNNAVTDALVWVIKSGISSQQOSMRANLLMLLSHVHRHASNKGMEHLNKK 501
QY 481 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSO 530
DB 502 CKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSO 551
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RESULT 8

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US-08-836-620A-3
; Sequence 3, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT: Orphan receptor
; TITLE OF INVENTION: 19
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,620A
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP96/03933
; FILING DATE:
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9609576.5
; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-836-620A-3

Query Match
Best Local Similarity 91.1%; Score 2554; DB 2; Length 485;
Matches 484; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 46 MTFYSPAVMYSIPSNVTNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKS 105
DB 1 MTFYSPAVMYSIPSNVTNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKS 60

QY 106 PWCEARSLHTLPVNRRTLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGVWS 165
DB 61 PWCEARSLHTLPVNRRTLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGVWS 120

QY 166 CEGKAPFKRSIQHNDYICPATNQCTIDKNRRKSCQACRLRKYEVGMVKCSRRRCG 225
DB 121 CEGKAPFKRSIQHNDYICPATNQCTIDKNRRKSCQACRLRKYEVGMVKCSRRRCG 180

QY 226 YRLVRQRSDEQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRP 285
DB 181 YRLVRQRSDEQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRP 240

QY 286 SAPFTEASMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESWMVLMGLMW 345
DB 241 SAPFTEASMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESWMVLMGLMW 300

QY 346 RSIDHPGKLIAPDPLVDRDEGKVEGILEIFDMLLATTSRFRELKQHKYLCVKAMIL 405
DB 301 RSIDHPGKLIAPDPLVDRDEGKVEGILEIFDMLLATTSRFRELKQHKYLCVKAMIL 360

QY 406 INSSMYPVLTATQDASSRKLHLNAVTDALVWVIKSGISSQQOSMRLANLMLLSHV 465
DB 361 INSSMYPVLTATQDASSRKLHLNAVTDALVWVIKSGISSQQOSMRLANLMLLSHV 420

QY 466 RHASNGMEHLNMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSO 525
DB 421 RHASNGMEHLNMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSO 480

QY 526 NPQSQ 530
DB 481 NLQSQ 485

RESULT 9
US-09-608-088-5
; Sequence 5, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 5
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-608-088-5

Query Match
Best Local Similarity 89.9%; Score 2522; DB 4; Length 477;
Matches 477; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 MNYSIPSNVTNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKSPWCEARSL 113
DB 1 MNYSIPSNVTNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKSPWCEARSL 60

QY 114 EHTLPVNRRTLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGVWSCEGCKAFF 173
DB 61 EHTLPVNRRTLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGVWSCEGCKAFF 120

QY 174 KRSIQHNDYICPATNQCTIDKNRRKSCQACRLRKYEVGMVKCSRRRCGVLVRROR 233
DB 121 KRSIQHNDYICPATNQCTIDKNRRKSCQACRLRKYEVGMVKCSRRRCGVLVRROR 180

QY 234 SADEQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRPAPFTEAS 293
DB 181 SADEQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRPAPFTEAS 240

QY 294 WMSLSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESWMVLMGLMRSIDHPGK 353
DB 241 WMSLSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESWMVLMGLMRSIDHPGK 300

QY 354 LIFAPDLVDRDEGKVEGILEIFDMLLATTSRFRELKQHKYLCVKAMILLNNSMYP 413
DB 301 LIFAPDLVDRDEGKVEGILEIFDMLLATTSRFRELKQHKYLCVKAMILLNNSMYP 360

QY 414 VTATQDASSRKLHLNAVTDALVWVIKSGISSQQOSMRLANLMLLSHVHASNKGM 473
DB 361 VTATQDASSRKLHLNAVTDALVWVIKSGISSQQOSMRLANLMLLSHVHASNKGM 420

QY 474 EHLNMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPQSQ 530
DB 421 EHLNMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPQSQ 477

RESULT 10
US-09-711-288-5
; Sequence 5, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 5
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-711-288-5

Query Match
Best Local Similarity 89.9%; Score 2522; DB 4; Length 477;
Matches 477; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 MNYSIPSNVTNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKSPWCEARSL 113
DB 1 MNYSIPSNVTNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKSPWCEARSL 60

QY 114 EHTLPVNRRTLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGVWSCEGCKAFF 173
DB 61 EHTLPVNRRTLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGVWSCEGCKAFF 120

QY 174 KRSIQHNDYICPATNQCTIDKNRRKSCQACRLRKYEVGMVKCSRRRCGVLVRROR 233
DB 121 KRSIQHNDYICPATNQCTIDKNRRKSCQACRLRKYEVGMVKCSRRRCGVLVRROR 180

Db 121 KRSIQGHNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCGSRRRCGRYLRVRQR 180
QY 234 SADEQLHCAGKAKRSGCHAPRVRELLLDALSPQQLVLTLEAEPHVLISRPSAPFTEAS 293
Db 181 SADEQLHCAGKAKRSGCHAPRVRELLLDALSPQQLVLTLEAEPHVLISRPSAPFTEAS 240
QY 294 MMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESCHWMEVLMGLMWSIDHPGK 353
Db 241 MMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESCHWMEVLMGLMWSIDHPGK 300
QY 354 LIFAPDLVLDREKCGVEGLEIFDMLLATTFRRELKLOHKEYLCVKAMILLNSMYPL 413
Db 301 LIFAPDLVLDREKCGVEGLEIFDMLLATTFRRELKLOHKEYLCVKAMILLNSMYPL 360
QY 414 VTATQDADSSRLKLAHLNNAVTDALVWVIKSGISSQQQSMRLANLMLLSHVYRHASNKG 473
Db 361 VTATQDADSSRLKLAHLNNAVTDALVWVIKSGISSQQQSMRLANLMLLSHVYRHASNKG 420
QY 474 EHLNMMCKNVVPVYDLLLLLEMLNAHVLRGCKSSITGSECPAEDSKSKEGSONPOSQ 530
Db 421 EHLNMMCKNVVPVYDLLLLLEMLNAHVLRGCKSSITGSECPAEDSKSKEGSONPOSQ 477

RESULT 11
US-08-836-620A-2
; Sequence 2, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Orphan receptor
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/08/836,620A
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP96/03933
; FILING DATE:
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9609576.5
; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: Rattus rattus
US-08-836-620A-2

Query Match 81.7%; Score 2291; DB 2; Length 485;
Best Local Similarity 88.7%; Pred. No. 1.8e-236;
Matches 430; Conservative 23; Mismatches 32; Indels 0; Gaps 0;
QY 46 MTFYSPAVNMYGIPSNVTNLEGGPGRTTSPNVLWPTGHLSPVLVHRQLSHLYAEPQKS 105
Db 1 MTFYSPAVNMYGIPSGTSLNDGPPVRLSTSPNVLWPTGHLSPVLVHRQLSHLYAEPQKS 60
QY 106 PWCEARSLHTLPVNRETLKRKVGNCRCASPTVTPGSKRDHAFCAVCSDIASGYHYGWS 165
Db 61 PWCEARSLHTLPVNRETLKRKLSGSSCASPTVTPSNAKRDHAFCPVCSDYASGYHYGWS 120

QY 166 CEGKAPFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCGSRRRCG 225
Db 121 CEGKAPFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCGSRRRCG 180
QY 226 YRLVRRORSADQQLHCAGKAKRSGCHAPRVRELLLDALSPQQLVLTLEAEPHVLISRP 285
Db 181 YRLVRRORSSEQVHCLSKAKRNGGHAPRVKELLSLTLSPEQLVLTLEAEPHVLISRP 240
QY 286 SAPTEASMMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESCHWMEVLMGLMW 345
Db 241 SMPTEASMMMSLTKLADKELVHMSWAKKIPGFVELSLLDQVRLLESCHWMEVLMGLMW 300
QY 346 RSDHPGKLIAPDLVLDREKCGVEGLEIFDMLLATTFRRELKLOHKEYLCVKAMIL 405
Db 301 RSDHPGKLIAPDLVLDREKCGVEGLEIFDMLLATTFRRELKLOHKEYLCVKAMIL 360
QY 406 LNNSMYPLVATQDADSSRLKLAHLNNAVTDALVWVIKSGISSQQQSMRLANLMLLSHV 465
Db 361 LNNSMYPLASQBAESSRKLTHLLNNAVTDALVWVIKSGISSQQQSVRLANLMLLSHV 420
QY 466 RHASNKGMEHLNMMCKNVVPVYDLLLLLEMLNAHVLRGCKSSITGSECPAEDSKSKEGSO 525
Db 421 RHISNKGMEHLNMMCKNVVPVYDLLLLLEMLNAHVLRGCKSSITGSECPAEDSKSKEGSO 480
QY 526 NPQSQ 530
Db 481 NLQSQ 485

RESULT 12
US-08-836-620A-13
; Sequence 13, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Orphan receptor
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,620A
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP96/03933
; FILING DATE:
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9609576.5
; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 484 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: Rattus rattus
US-08-836-620A-13

Query Match 81.5%; Score 2286; DB 2; Length 484;
Best Local Similarity 88.6%; Pred. No. 6e-236;
Matches 429; Conservative 23; Mismatches 32; Indels 0; Gaps 0;


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; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 484 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
; ORIGINAL SOURCE:
;   ORGANISM: Mus musculus
US-08-836-620A-14

Query Match      80.6%; Score 2262; DB 2; Length 484;
Best Local Similarity 88.0%; Pred. No. 2.3e-23;
Matches 426; Conservative 23; Mismatches 35; Indels 0; Gaps 0;

Qy 46 MTFYSPAVNYSIPSNVTNLEGGPGRQTTPNVLPWTPGHLSPVVRQLSHLYAEPQKS 105
Db 1 MAFYSPAVNYSVPSTNGLEGGPVROTASPNVLPWTPGHLSPVVRQLSHLYAEPQKS 60

Qy 106 PWCEARSLHTLPVNRETLKRKVSNGRCASPVTPGSKRDAHFCVCSDYASGYHYGVMS 165
Db 61 PWCEARSLHTLPVNRETLKRKVSNGRCASPVTPGSKRDAHFCVCSDYASGYHYGVMS 120

Qy 166 CEGCKAFKRSIQGHNDYICPATNOCTIDKNRKKSCQACRLKCYEVGMVKCGSRRCG 225
Db 121 CEGCKAFKRSIQGHNDYICPATNOCTIDKNRKKSCQACRLKCYEVGMVKCGSRRCG 180

Qy 226 YRLVRRORSADQLHCAGKAKRSKGHAPRVRELLLDALSPQOLVLTLLAEPPHVLISRP 285
Db 181 YRIVRRORSASQVHCLNKAKTSGHTPRVKELLNSLSPEQLVLTLLAEPPHVLISRP 240

Qy 286 SAPFTEASMMSLTKLADKELVHMI SWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMW 345
Db 241 SMPFTEASMMSLTKLADKELVHMI SWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMW 300

Qy 346 RSIDHPGKLI FAPDLVLRDEGKCVGEILEIFDMLLATTSRPRELKQHKYLCVKAMIL 405
Db 301 RSIDHPGKLI FAPDLVLRDEGKCVGEILEIFDMLLATTSRPRELKQHKYLCVKAMIL 360

Qy 406 LNSSMYPLVATQDADSRKLAHLNNAVTDALVWVI AKSGISSQQQSMRLANLLMLSHV 465
Db 361 LNSSMYHLATASQEAESSRKLTHLNAVTDALVWVI SKRSISSQQQSVRLANLLMLSHV 420

Qy 466 RHASNGMEHLNLMKCNVVPVYDILLLEMLNAHVLRGCKSKSITGSECSPAEDSKSKEGSQ 525
Db 421 RHISNKGMEHLNLMKCNVVPVYDILLLEMLNAHTLRGYKSSISGSGCCSTEDSKSKEGSQ 480

Qy 526 NPQS 529
Db 481 NLQS 484
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RESULT 15
US-09-608-088-6
; Sequence 6, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Moeselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 416
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-608-088-6

Query Match      78.4%; Score 2198; DB 4; Length 416;
Best Local Similarity 100.0%; Pred. No. 1.3e-226;
Matches 415; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 54 MNYSIPSNVTNLEGGPGRQTTPNVLPWTPGHLSPVVRQLSHLYAEPQKSPWCEARSL 113
Db 1 MNYSIPSNVTNLEGGPGRQTTPNVLPWTPGHLSPVVRQLSHLYAEPQKSPWCEARSL 60

Qy 114 EHTLPVNRETLKRKVSNGRCASPVTPGSKRDAHFCVCSDYASGYHYGVMSCEGCKAFF 173
Db 61 EHTLPVNRETLKRKVSNGRCASPVTPGSKRDAHFCVCSDYASGYHYGVMSCEGCKAFF 120

Qy 174 KRSTQGHNDYICPATNOCTIDKNRKKSCQACRLKCYEVGMVKCGSRRCGRLVRRQR 233
Db 121 KRSTQGHNDYICPATNOCTIDKNRKKSCQACRLKCYEVGMVKCGSRRCGRLVRRQR 180

Qy 234 SADEQLHCAGKAKRSKGHAPRVRELLLDALSPQOLVLTLLAEPPHVLISRPSAPFTEAS 293
Db 181 SADEQLHCAGKAKRSKGHAPRVRELLLDALSPQOLVLTLLAEPPHVLISRPSAPFTEAS 240

Qy 294 MMMSLTKLADKELVHMI SWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMWRSIDHPGK 353
Db 241 MMMSLTKLADKELVHMI SWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMWRSIDHPGK 300

Qy 354 LIFAPDLVLRDEGKCVGEILEIFDMLLATTSRPRELKQHKYLCVKAMILLNSSMYPL 413
Db 301 LIFAPDLVLRDEGKCVGEILEIFDMLLATTSRPRELKQHKYLCVKAMILLNSSMYPL 360

Qy 414 VTATQDADSRKLAHLNNAVTDALVWVI AKSGISSQQQSMRLANLLMLSHVRA 468
Db 361 VTATQDADSRKLAHLNNAVTDALVWVI AKSGISSQQQSMRLANLLMLSHVRA 415
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Search completed: March 8, 2005, 20:46:07
Job time : 52 secs

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OM nucleic - nucleic search, using sw model

Run on: March 9, 2005, 20:56:10 ; Search time 354 Seconds
(without alignments)
7793.115 Million cell updates/sec

Title: US-08-906-365-1

Perfect score: 1686

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1684.4	99.9	1745	US-09-949-016-1563	Sequence 1563, Appli
2	1683.4	99.8	2011	US-09-768-185A-2	Sequence 2, Appli
3	1667.4	98.9	1898	US-09-608-088-24	Sequence 24, Appli
4	1667.4	98.9	1898	US-09-711-288-24	Sequence 24, Appli
5	1634	96.9	1647	US-09-139-617-2	Sequence 2, Appli
6	1634	96.9	1647	US-09-561-741A-2	Sequence 2, Appli
7	1634	96.9	1647	US-09-558-795-2	Sequence 2, Appli
8	1453.6	86.2	1460	US-08-836-620A-4	Sequence 4, Appli
9	1434	85.1	1434	US-09-608-088-1	Sequence 1, Appli
10	1434	85.1	1434	US-09-711-288-1	Sequence 1, Appli
11	1247	74.0	1251	US-09-608-088-2	Sequence 2, Appli
12	1247	74.0	1251	US-09-711-288-2	Sequence 2, Appli
13	1247	74.0	1257	US-09-608-088-20	Sequence 20, Appli
14	1247	74.0	1257	US-09-711-288-20	Sequence 20, Appli
15	1233.6	73.2	2568	US-08-836-620A-1	Sequence 1, Appli
16	1099.6	65.2	1458	US-08-836-620A-6	Sequence 6, Appli
17	453.4	26.9	68452	US-09-949-016-13305	Sequence 13305, A
18	453.4	26.9	325791	US-09-768-185A-1	Sequence 1, Appli
19	395.8	23.5	2764	US-08-893-666A-1	Sequence 1, Appli
20	390.8	23.2	4963	US-08-076-726-16	Sequence 16, Appli
21	390.8	23.2	4963	US-08-260-452-9	Sequence 9, Appli
22	390.8	23.2	4963	US-08-481-970-9	Sequence 9, Appli
23	390.8	23.2	4963	US-08-897-719-9	Sequence 9, Appli
24	390.8	23.2	4963	US-09-163-269-9	Sequence 9, Appli
25	390.8	23.2	4963	US-09-281-674-9	Sequence 9, Appli
26	389.2	23.1	2092	US-10-052-092-6	Sequence 6, Appli
27	389.2	23.1	6450	US-09-041-886-34	Sequence 34, Appli

ALIGNMENTS

RESULT 1

US-09-949-016-1563
; Sequence 1563, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1563
; LENGTH: 1745
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1563

Query Match 99.9%; Score 1684.4; DB 4; Length 1745;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1685; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	CAGCCATTATCTTGGCCAGCAATCTTTGAGACATTAATGACCTTTGTGCTCTTCT	60
Db	60	CAGCCATTATCTTGGCCAGCAATCTTTGAGACATTAATGACCTTTGTGCTCTTCT	119
Qy	61	TGCAAGTGTTTCTCAGCTGCTATCTCAAGACATGGATATAAAACTCACCATTAGC	120
Db	120	TGCAAGTGTTTCTCAGCTGCTATCTCAAGACATGGATATAAAACTCACCATTAGC	179
Qy	121	CTTAATTCCTTCCTCCTCAAACTGCAATCCATCTTACCCCTGGAGCAGGCTCC	180
Db	180	CTTAATTCCTTCCTCCTCAAACTGCAATCCATCTTACCCCTGGAGCAGGCTCC	239
Qy	181	ATATACATCTTCCTCCTTATGTAGACAGCCACCATGAATATCCAGCATGACATTCAT	240
Db	240	ATATACATCTTCCTCCTTATGTAGACAGCCACCATGAATATCCAGCATGACATTCAT	299
Qy	241	AGCCCTGCTGTGATGAATACAGCATTCCAGCAATGTCTACTAACTTGGAAAGTGGGCT	300
Db	300	AGCCCTGCTGTGATGAATACAGCATTCCAGCAATGTCTACTAACTTGGAAAGTGGGCT	359
Qy	301	GGTCGGCAGACCACAAAGCCCAATGTGTGTGGCCAACTCTGGGCACTTTCTCTTTA	360

Db 360 GGTGGCAGACCAAGCCAAATGTTGTGGCCAAACACCTGGGCACTTTCTCCTTTA 419
Qy 361 GTGGTCATCGCCAGTATACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGA 420
Db 420 GTGGTCATCGCCAGTATACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGA 479
Qy 421 GCAAGATCGCTAGAACACACCTTTACCTGTAAACAGAGAGACACTGAAAAGGAGGTAGT 480
Db 480 GCAAGATCGCTAGAACACACCTTTACCTGTAAACAGAGAGACACTGAAAAGGAGGTAGT 539
Qy 481 GGGAAACCGTTGCGCCAGCCCTGTTACTGTGTCAGGTTCAAAGAGGATCTCACTTCTGC 540
Db 540 GGGAAACCGTTGCGCCAGCCCTGTTACTGTGTCAGGTTCAAAGAGGATCTCACTTCTGC 599
Qy 541 GCTGTCTGAGCGCATACCGATCGGATATCATATGAGTCTGGTCTGTGAGAGATGT 600
Db 600 GCTGTCTGAGCGCATACCGATCGGATATCATATGAGTCTGGTCTGTGAGAGATGT 659
Qy 601 AAGGCTCTTTTAAAGAGACATTCAGGACATAATGATTATATTTGTCCAGCTACAAAT 660
Db 660 AAGGCTCTTTTAAAGAGACATTCAGGACATAATGATTATATTTGTCCAGCTACAAAT 719
Qy 661 CAGTGTACATCGATAAAAACCGCGCAAGAGCTGCCAGCCCTGCCGACTTCGGAAGTGT 720
Db 720 CAGTGTACATCGATAAAAACCGCGCAAGAGCTGCCAGCCCTGCCGACTTCGGAAGTGT 779
Qy 721 TAGCAAGTGGGAATGTGAAGTGTGGCTCCCGAGAGAGAGATGTGGTACCGCCTTGTG 780
Db 780 TAGCAAGTGGGAATGTGAAGTGTGGCTCCCGAGAGAGAGATGTGGTACCGCCTTGTG 839
Qy 781 CGGAGACAGAGAAGTGCAGACAGAGCTGCTGTCGGGCAAGGCCCAAGAGAAGTGC 840
Db 840 CGGAGACAGAGAAGTGCAGACAGAGCTGCTGTCGGGCAAGGCCCAAGAGAAGTGC 899
Qy 841 GGCCACGCGCCCGAGTGGGAGCTGCTGTCGGAGCGCCCTGAGCCCGCAGCAGTGTG 900
Db 900 GGCCACGCGCCCGAGTGGGAGCTGCTGTCGGAGCGCCCTGAGCCCGCAGCAGTGTG 959
Qy 901 CTCACCTCTGAGAGCTGAGCCCGCCCATGCTGCTATCAGCCCGCCAGTGGCCCTTC 960
Db 960 CTCACCTCTGAGAGCTGAGCCCGCCCATGCTGCTATCAGCCCGCCAGTGGCCCTTC 1019
Qy 961 ACCGAGCTCTCATGATGATGTCCTGACCAAGTTCGCGCAAGAGGTGGTACACATG 1020
Db 1020 ACCGAGCTCTCATGATGATGTCCTGACCAAGTTCGCGCAAGAGGTGGTACACATG 1079
Qy 1021 ATCAGCTGGGCCAAGAAGATTCGCGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGGG 1080
Db 1080 ATCAGCTGGGCCAAGAAGATTCGCGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGGG 1139
Qy 1081 CTCCTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGCTGATGTGGGCTCAATTGAC 1140
Db 1140 CTCCTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGCTGATGTGGGCTCAATTGAC 1199
Qy 1141 CACCCCGGCAAGCTCATCTTTGCTCCAGATCTTTGTCGACAGGATGAGGGAAATGC 1200
Db 1200 CACCCCGGCAAGCTCATCTTTGCTCCAGATCTTTGTCGACAGGATGAGGGAAATGC 1259
Qy 1201 GTAGAAGGAATCTTGAAATCTTTGACATGCTCCTGGCAACTACTTTCAAGGTTTCGAGAG 1260
Db 1260 GTAGAAGGAATCTTGAAATCTTTGACATGCTCCTGGCAACTACTTTCAAGGTTTCGAGAG 1319
Qy 1261 TTAATACTCAACACAAAGAAATCTCTGTGTCAAGCCATGATCTGTCTCAATTCAGT 1320
Db 1320 TTAATACTCAACACAAAGAAATCTCTGTGTCAAGCCATGATCTGTCTCAATTCAGT 1379
Qy 1321 ATGTACCTCTGTGTACAGCGCCAGGATGCTGTGACAGAGCGGAGCTGCTCACTTG 1380
Db 1380 ATGTACCTCTGTGTACAGCGCCAGGATGCTGTGACAGAGCGGAGCTGCTCACTTG 1439
Qy 1381 CTGAACGCGCTGACCGATGCTTTGGTGTGGTGAATTCGCAAGAGCGGCATCTCCTCCAG 1440

Db 1440 CTGAACGCGCTGACCGATGCTTTGGTGGTGTATGTCGAAGCGGCATCTCCTCCAG 1499
Qy 1441 CAGCAATCCATCGCGCTGCTAACTCTGTATGCTCTGTCCACAGTCAAGCATGCGAGT 1500
Db 1500 CAGCAATCCATCGCGCTGCTAACTCTGTATGCTCTGTCCACAGTCAAGCATGCGAGT 1559
Qy 1501 AACAGGCGCATGGAAACATCTGCTCAACATGATGAAGTCAAAAAATGTGGTCCAGTGTATGAC 1560
Db 1560 AACAGGCGCATGGAAACATCTGCTCAACATGATGAAGTCAAAAAATGTGGTCCAGTGTATGAC 1619
Qy 1561 CTGCTGCTGGAGATGCTGAATGCCACAGTCTTCCGGGGTCAAGTCTCCATCAGGGG 1620
Db 1620 CTGCTGCTGGAGATGCTGAATGCCACAGTCTTCCGGGGTCAAGTCTCCATCAGGGG 1679
Qy 1621 TCCGAGTGCAGCCCGCAGAGACAGTAAAGCAAGAGGGCTCCAGAAACCCACAGTCT 1680
Db 1680 TCCGAGTGCAGCCCGCAGAGACAGTAAAGCAAGAGGGCTCCAGAAACCCACAGTCT 1739
Qy 1681 CAGTGA 1686
Db 1740 CAGTGA 1745

RESULT 2
US-09-768-185A-2
; Sequence 2, Application US/09768185A
; Patent No. 6818758
; GENERAL INFORMATION:
; APPLICANT: Cassel, Michael et al
; TITLE OF INVENTION: Estrogen receptor beta variants and
; FILE OF INVENTION: methods of detection thereof
; FILE REFERENCE: CLO00280
; CURRENT APPLICATION NUMBER: US/09/768,185A
; CURRENT FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 09768185
; PRIOR FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 2011
; TYPE: DNA
; ORGANISM: Human
US-09-768-185A-2

Query Match 99.8%; Score 1683.4; DB 4; Length 2011;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1684; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 AGCCATTATACCTGCCCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCTCTTCTT 61
Db 327 AGCCATTATACCTGCCCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCTCTTCTT 386
Qy 62 GCAAGTGTCTTCAGCTGCTATCTCAAGACATGGATATAAAACCTCACCATCTAGCC 121
Db 387 GCAAGTGTCTTCAGCTGCTATCTCAAGACATGGATATAAAACCTCACCATCTAGCC 446
Qy 122 TTAATTCCTTCCTCTACAACTGCAGTCAATCCATCTTACCCTGGAGCAGCGTCCA 181
Db 447 TTAATTCCTTCCTCTACAACTGCAGTCAATCCATCTTACCCTGGAGCAGCGTCCA 506
Qy 182 TATACATACCTTCCTCTATGTAGACGCCACCATGAATATCCAGCCATGACATCTATA 241
Db 507 TATACATACCTTCCTCTATGTAGACGCCACCATGAATATCCAGCCATGACATCTATA 566
Qy 242 GCCCTGCTGTGATGAATTTACAGCATTCGCCGAATGTCACTAACTTGGAGGTGGGCTG 301
Db 567 GCCCTGCTGTGATGAATTTACAGCATTCGCCGAATGTCACTAACTTGGAGGTGGGCTG 626
Qy 302 GTCGCGACAGCACCAAGCCCAATGTTGTGGCCAAACCTTGGGCACTTCTCTCTTTAG 361
Db 627 GTCGCGACAGCACCAAGCCCAATGTTGTGGCCAAACCTTGGGCACTTCTCTCTTTAG 686
Qy 362 TGGTCCATCGCCAGTTATCACATCTGTATGCGGAACTCAAAAGAGTCCCTGGTGTGAAG 421

Db 687 TGGTCCATCGCAGTTATCATCTGTATGCGGAACCTCAAAAGAGTCCCTCGTGTGAAG 746
Qy 422 CAAGATCGCTAAGAACACACACCTTACCTGTATAACAGAGAGACACTCAAAAGAGAGTGTAGTG 481
Db 747 CAAGATCGCTAAGAACACACCTTACCTGTATAACAGAGAGACACTCAAAAGAGAGTGTAGTG 806
Qy 482 GGAACCGTGTGGCCAGCCCTGTTACTGTGTCCAGGTTCAAGAGAGGATGCTCACTTCTGCG 541
Db 807 GGAACCGTGTGGCCAGCCCTGTTACTGTGTCCAGGTTCAAGAGAGGATGCTCACTTCTGCG 866
Qy 542 CTGTCTCGAGGATACCGATCGGGATATCACTATGAGTCTGTCTGTGAAGGATGTA 601
Db 867 CTGTCTCGAGGATACCGATCGGGATATCACTATGAGTCTGTCTGTGAAGGATGTA 926
Qy 602 AGGCCTTTTAAAGAGGATTCAGAGACATATGATTATTTGTCAGGCTACCAATC 661
Db 927 AGGCCTTTTAAAGAGGATTCAGAGACATATGATTATTTGTCAGGCTACCAATC 986
Qy 662 AGTGTAACAATGATAAAGACCGGCGCAAGAGCTGCCAGGCTGCCGACTTCGGAAGTGT 721
Db 987 AGTGTAACAATGATAAAGACCGGCGCAAGAGCTGCCAGGCTGCCGACTTCGGAAGTGT 1046
Qy 722 ACGAAGTGGGATGCTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGC 781
Db 1047 ACGAAGTGGGATGCTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGC 1106
Qy 782 GAGACAGAGAGTGGCCAGCAGCAGCTGCACCTGTGCGGCAAGGCGCAAGAGTGGCG 841
Db 1107 GAGACAGAGAGTGGCCAGCAGCAGCTGCACCTGTGCGGCAAGGCGCAAGAGTGGCG 1166
Qy 842 GCCACGCGCCCGAGTGGGAGCTGTGCTGAGCGCCCTGAGCGCCCGAGCAGCTAGTGC 901
Db 1167 GCCACGCGCCCGAGTGGGAGCTGTGCTGAGCGCCCTGAGCGCCCGAGCAGCTAGTGC 1226
Qy 902 TCACCTCTCGAGGCTGAGCGCCCGATGTGCTGATCAGCGCGCCCGAGTGGCGCTTCA 961
Db 1227 TCACCTCTCGAGGCTGAGCGCCCGATGTGCTGATCAGCGCGCCCGAGTGGCGCTTCA 1286
Qy 962 CCGAGGCTCCATGATGATGCTCCAGCAAGTGGCGGCAAGAGGAGTGGTACATGA 1021
Db 1287 CCGAGGCTCCATGATGATGCTCCAGCAAGTGGCGGCAAGAGGAGTGGTACATGA 1346
Qy 1022 TCAGCTGGGCAAGAGATTCGGGCTTTGTCAGGCTCAGCCTGTCGACCAAGTGGCG 1081
Db 1347 TCAGCTGGGCAAGAGATTCGGGCTTTGTCAGGCTCAGCCTGTCGACCAAGTGGCG 1406
Qy 1082 TCTTGAGAGCTGTGATGAGAGTGTAAATGATGAGGCTGATGTGGCGCTCAATTGACC 1141
Db 1407 TCTTGAGAGCTGTGATGAGAGTGTAAATGATGAGGCTGATGTGGCGCTCAATTGACC 1466
Qy 1142 ACCCGGAGCTCATCTTTGCTCCAGATCTGCTTGGACAGGATGAGGGAATGCG 1201
Db 1467 ACCCGGAGCTCATCTTTGCTCCAGATCTGCTTGGACAGGATGAGGGAATGCG 1526
Qy 1202 TAGAAGGATTCGGAATCTTTGACATGCTCCTGCAACTACTTCAAGGTTTCGAGAGT 1261
Db 1527 TAGAAGGATTCGGAATCTTTGACATGCTCCTGCAACTACTTCAAGGTTTCGAGAGT 1586
Qy 1262 TAAACCTCCAAACAAGAAATATCTCTGTGTCAAGGCGATGATCTGTCTCAATTCCAGTA 1321
Db 1587 TAAACCTCCAAACAAGAAATATCTCTGTGTCAAGGCGATGATCTGTCTCAATTCCAGTA 1646
Qy 1322 TGTACCTCTGTGTCAAGGCGATGCTCAAGAGGCTGGGCTGCTCACTTGC 1381
Db 1647 TGTACCTCTGTGTCAAGGCGATGCTCAAGAGGCTGGGCTGCTCACTTGC 1706
Qy 1382 TGAACCGCTGACCGATGCTTTGCTTGGGTGATTCGAGAGCGGCTGCTCCTCCAGC 1441
Db 1707 TGAACCGCTGACCGATGCTTTGCTTGGGTGATTCGAGAGCGGCTGCTCCTCCAGC 1766
Qy 1442 AGCAATCCATGCGCTTGGCTTAACCTCTGATGCTCTGCTCCAGCGTCAAGGATGCGAGTA 1501

Db 1767 AGCAATCCATGCGCTGGCTAACTCTGATGCTCTGTCTCCAGCTCAGGATCGAGTA 1826
Qy 1502 ACAAGGCGATGGAACATCTGCTCAACATGAAGTGAAGAAATGTGGTCCAGTGTATGACC 1561
Db 1827 ACAAGGCGATGGAACATCTGCTCAACATGAAGTGAAGAAATGTGGTCCAGTGTATGACC 1886
Qy 1562 TGCTGTGGAGATGCTGAATGCCCACGCTTCCGCGGTGCAAGTCTCCATCACGGGT 1621
Db 1887 TGCTGTGGAGATGCTGAATGCCCACGCTTCCGCGGTGCAAGTCTCCATCACGGGT 1946
Qy 1622 CCGAGTGCAGCGCGGCGAGGACAGTAAAGCAAGAGGCTCCAGAACCCACAGTCTC 1681
Db 1947 CCGAGTGCAGCGCGGCGAGGACAGTAAAGCAAGAGGCTCCAGAACCCACAGTCTC 2006
Qy 1682 AGTGA 1686
Db 2007 AGTGA 2011

X
RESULT 3
US-09-608-088-24
; Sequence 24, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 24
; LENGTH: 1898
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-608-088-24

Query Match 98.9%; Score 1667.4; DB 4; Length 1898;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1668; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 18 CACGAATCTTTGAGAACATTAATAATGACCTTTGTCCTTTTCAAGGTGTTTCTCA 77
Db 1 CACGAATCTTTGAGAACATTAATAATGACCTTTGTCCTTTTCAAGGTGTTTCTCA 60
Qy 78 GCTGTATCTCAAGCATGGATATAAATACTCAAGTCTAGCCTTAATTCCTTCTCCTC 137
Db 61 GCTGTATCTCAAGCATGGATATAAATACTCAAGTCTAGCCTTAATTCCTTCTCCTC 120
Qy 138 CTACAACTGCACTCAATCTTACCTTCCGAGCAGGCTCCATATACATACCTTCTCCTC 197
Db 121 CTACAACTGCACTCAATCTTACCTTCCGAGCAGGCTCCATATACATACCTTCTCCTC 180
Qy 198 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTTATAGCCCTGCTGTGATGA 257
Db 181 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTTATAGCCCTGCTGTGATGA 240
Qy 258 TTACAGCATTCAGCAATGTCACTTAATTTGGAAGGTGGGCTGCTGGCAGACCAAG 317
Db 241 TTACAGCATTCAGCAATGTCACTTAATTTGGAAGGTGGGCTGCTGGCAGACCAAG 300
Qy 318 CCCAAATGTGTGTGGCCAAACACCTGGGCACTTTCTCTCTTTAGTGGTCCATCGCCAGTT 377
Db 301 CCCAAATGTGTGTGGCCAAACACCTGGGCACTTTCTCTCTTTAGTGGTCCATCGCCAGTT 360
Qy 378 ATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGTAGAACA 437

Db 361 ||||| ATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTAGAACA 420
Qy 438 CACCTTACCTGTAAACACAGACAGACACTGAAAAGAGGTTAGTGGAAACCGTTGGCCCAAG 497
Db 421 CACCTTACCTGTAAACAGAGAGACACTGAAAAGAGGTTAGTGGAAACCGTTGGCCCAAG 480
Qy 498 CCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGACAGCGATTAA 557
Db 481 CCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGACAGCGATTAA 540
Qy 558 CGCATCGGGATATCACTATCGAGTCTGGTCTGTGAAGGATGTAAAGGCTTTTAAAAG 617
Db 541 CGCATCGGGATATCACTATCGAGTCTGGTCTGTGAAGGATGTAAAGGCTTTTAAAAG 600
Qy 618 AAGCATTTCAAGGACATAATGATTATATTTCTCAGCTTACAAATCAGTGTACAATCGATAA 677
Db 601 AAGCATTTCAAGGACATAATGATTATATTTCTCAGCTTACAAATCAGTGTACAATCGATAA 660
Qy 678 AAACCGGCGCAAGAGCTGCCAGGCTGCCGACTTCGGAAGTGTACGAAGTGGGAATGTT 737
Db 661 AAACCGGCGCAAGAGCTGCCAGGCTGCCGACTTCGGAAGTGTACGAAGTGGGAATGTT 720
Qy 738 GAAGTGTGGTCCCGGAGAGAGATGTGGTACCCTTGTCCGGAGACAGAGAAGTGC 797
Db 721 GAAGTGTGGTCCCGGAGAGAGATGTGGTACCCTTGTCCGGAGACAGAGAAGTGC 780
Qy 798 CGAGGAGCAGCTGCATGTCCGCGCAGGCGCAAGAGAGTGGCGGCGACGCGCCCGAGT 857
Db 781 CGAGGAGCAGCTGCATGTCCGCGCAGGCGCAAGAGAGTGGCGGCGACGCGCCCGAGT 840
Qy 858 GCGGGAGCTGCTGCTGGACCCCTTGAGCCCGCGAGCAGCTAGTCTCACCTCTCTGAGAGC 917
Db 841 GCGGGAGCTGCTGCTGGACCCCTTGAGCCCGCGAGCAGCTAGTCTCACCTCTCTGAGAGC 900
Qy 918 TGAGCGCCCGCATGTGCTGATCAGCGCCCGCATGCGCCCTTCCAGGAGCCTCCATGAT 977
Db 901 TGAGCGCCCGCATGTGCTGATCAGCGCCCGCATGCGCCCTTCCAGGAGCCTCCATGAT 960
Qy 978 GATGTCCTCGACCAAGTTGGCCGACAGAGGATGTGTACATCATGATCAGCTGGGCCAAGAA 1037
Db 961 GATGTCCTCGACCAAGTTGGCCGACAGAGGATGTGTACATCATGATCAGCTGGGCCAAGAA 1020
Qy 1038 GATTCCCGGCTTTTGGAGCTCAGCCCTGTTTCGACCAAGTTCGGCTCTTGGAGAGCTGTTG 1097
Db 1021 GATTCCCGGCTTTTGGAGCTCAGCCCTGTTTCGACCAAGTTCGGCTCTTGGAGAGCTGTTG 1080
Qy 1098 GATGAGGTTTAAATGATGGGGCTGATGTGGCGCTCAATTGACCAACCCCGGCAAGCTCAT 1157
Db 1081 GATGAGGTTTAAATGATGGGGCTGATGTGGCGCTCAATTGACCAACCCCGGCAAGCTCAT 1140
Qy 1158 CTTTGTCTCCAGATCTTGTCTGACAGGGATGAGGGGAATGCGTAGAAGGAATTCGTGA 1217
Db 1141 CTTTGTCTCCAGATCTTGTCTGACAGGGATGAGGGGAATGCGTAGAAGGAATTCGTGA 1200
Qy 1218 AATCTTTGACATGCTCTGCGCAACTACTTCAAGGTTTCGAGAGTAAATACTCCAAACAA 1277
Db 1201 AATCTTTGACATGCTCTGCGCAACTACTTCAAGGTTTCGAGAGTAAATACTCCAAACAA 1260
Qy 1278 AGAATATCTCTGTCTCAAGGCCATGATCTCTGCTCAATTCCAGTATGTACCTCTGCTCAC 1337
Db 1261 AGAATATCTCTGTCTCAAGGCCATGATCTCTGCTCAATTCCAGTATGTACCTCTGCTCAC 1320
Qy 1338 AGCGACCCAGGATGTGACAGACGCGGAGCTGGCTCACTTGTCTGAAAGGCGGTGACCGA 1397
Db 1321 AGCGACCCAGGATGTGACAGACGCGGAGCTGGCTCACTTGTCTGAAAGGCGGTGACCGA 1380
Qy 1398 TGCCTTTGGTTTGGTGTATTCGCAAGAGCGGCATCTCTCTCCAGCAGCAATTCATGCGCCT 1457
Db 1381 TGCCTTTGGTTTGGTGTATTCGCAAGAGCGGCATCTCTCTCCAGCAGCAATTCATGCGCCT 1440
Qy 1458 GGCATAACCTCTCTGATGCTCTCTGCTCCACGTCAGGCGATGCGAGTAAACAGGGCATGGAA 1517

Db 1441 GGCTAACCTCTGTATGCTCTCTGTCCCATCGTCAAGGATCGAGTAACAAGGGCATGGAACA 1500
Qy 1518 TCTGTCTCAACATGAAGTGCAGAAATGTGTGTCCAGTGTATGATACCTGCTCTGGAGATGCT 1577
Db 1501 TCTGTCTCAACATGAAGTGCAGAAATGTGTGTCCAGTGTATGATACCTGCTCTGGAGATGCT 1560
Qy 1578 GAATGCCCACTGCTCTTCCGGGTGCAAGTCTCTCCATCAGCGGGTCCGAGTGCAGCCCGC 1637
Db 1561 GAATGCCCACTGCTCTTCCGGGTGCAAGTCTCTCCATCAGCGGGTCCGAGTGCAGCCCGC 1620
Qy 1638 AGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1686
Db 1621 AGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1669

RESULT 4

US-09-711-288-24
; Sequence 24, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 24
; LENGTH: 1898
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-24

Query Match 98.9%; Score 1667.4; DB 4; Length 1898;
Best Local Similarity 99.9%; Pred No. 0;
Matches 1668; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 18 CACGAATCTTTGAGAACATTATAATGACCTTTGTGCTCTTTTGCAGAGTGTCTTCTCA 77
Db 1 CACGAATCTTTGAGAACATTATAATGACCTTTGTGCTCTTTTGCAGAGTGTCTTCTCA 60
Qy 78 GCTGTCTCTCAAGCATGGATATAAAAACTCACCATCTAGCCTTAATTCCTCTCCTC 137
Db 61 GCTGTATCTCAAGCATGGATATAAAAACTCACCATCTAGCCTTAATTCCTCTCCTC 120
Qy 138 CTACAACTGCGAGTCAATCCATCTTACCTTGGAGCAGCTCCATATACATACATACCTTCC 197
Db 121 CTACAACTGCGAGTCAATCCATCTTACCTTGGAGCAGCTCCATATACATACATACCTTCC 180
Qy 198 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTTCTATAGCCCTGCTGTGATGA 257
Db 181 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTTCTATAGCCCTGCTGTGATGA 240
Qy 258 TTACAGCAATCCCAGCAATGCTCACTTGTGAAGTGGCGCTGGTGGAGACACCAAG 317
Db 241 TTACAGCAATCCCAGCAATGCTCACTTGTGAAGTGGCGCTGGTGGAGACACCAAG 300
Qy 318 CCCAAATGTGTGGCCCAACCTTGGAGCAGCTTCTCTCTTAGTGGTCCATCGCCAGTT 377
Db 301 CCCAAATGTGTGGCCCAACCTTGGAGCAGCTTCTCTCTTAGTGGTCCATCGCCAGTT 360
Qy 378 ATCAGATCTGTATGCGGAACCTCAAAAAGAGTCCCTTGGTGTGAAGCAAGATCGCTAGAACA 437
Db 361 ATCAGATCTGTATGCGGAACCTCAAAAAGAGTCCCTTGGTGTGAAGCAAGATCGCTAGAACA 420
Qy 438 CACCTTACCTGTATAACAGAGAGACACTGAAAAGGAAGTTAGTGGGAACCGTTGGCCAG 497

585 GTCTGTGAAGGATGAAGCCCTTTTAAAGAAAGCATTTCAAGGACATAATGATTATAT 644
Db |||||
546 GTCTGTGAAGGATGAAGCCCTTTTAAAGAAAGCATTTCAAGGACATAATGATTATAT 605
Qy |||||
645 TTGTCCAGCTACAAATCAGTGTACATTCATATAAAACCGCGGCAAGAGCTGCAGCCCTG 704
Db |||||
606 TTGTCCAGCTACAAATCAGTGTACATTCATATAAAACCGCGGCAAGAGCTGCAGCCCTG 665
Qy |||||
705 CCGACTTCGGAAGTGTTCGAAGTGGCAATGGTGAAGTGGCTCCCGGAGAGAGATG 764
Db |||||
666 CCGACTTCGGAAGTGTTCGAAGTGGCAATGGTGAAGTGGCTCCCGGAGAGAGATG 725
Qy |||||
765 TGGGTACCGCTTTGTCCGAGACAGAGAAAGTCCGACGAGAGCTGCACTGTGCCGCAA 824
Db |||||
726 TGGGTACCGCTTTGTCCGAGACAGAGAAAGTCCGACGAGAGCTGCACTGTGCCGCAA 785
Qy |||||
825 GGCCTAAGAGAGTGGCGGCAAGCGCCCGAGTGGCGGAGCTGCTGTGAGCCCTGAG 884
Db |||||
786 GGCCTAAGAGAGTGGCGGCAAGCGCCCGAGTGGCGGAGCTGCTGTGAGCCCTGAG 845
Qy |||||
885 CCCCGAGCAGTAGTCTCACCTCTCTGGAGGCTGAGCCGCCCATGTGCTGATCAGCGG 944
Db |||||
846 CCCCGAGCAGTAGTCTCACCTCTCTGGAGGCTGAGCCGCCCATGTGCTGATCAGCGG 905
Qy |||||
945 CCCCGAGCAGTAGTCTCACCGAGGCTCCATGATGATGTCCCTGACCAAGTTGGCCGCAA 1004
Db |||||
906 CCCCGAGTGGCCCTTCAACGAGGCTCCATGATGATGTCCCTGACCAAGTTGGCCGCAA 965
Qy |||||
1005 GGAGTTGGTACATGATCAGCTGGGCAAGAGATTCGCGCTTGTGGAGCTCAGCT 1064
Db |||||
966 GGAGTTGGTACATGATCAGCTGGGCAAGAGATTCGCGCTTGTGGAGCTCAGCT 1025
Qy |||||
1065 GTTCGACCAAGTGGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGCTGAT 1124
Db |||||
1026 GTTCGACCAAGTGGGCTCTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGCTGAT 1085
Qy |||||
1125 GTGGCGCTCAATTGACCAACCCCGCAAGCTCATCTTTGCTCCAGATCTTGTCTGAGCAG 1184
Db |||||
1086 GTGGCGCTCAATTGACCAACCCCGCAAGCTCATCTTTGCTCCAGATCTTGTCTGAGCAG 1145
Qy |||||
1185 GGATGAGGGGAAATGGGTAGAGGAATCTTGGAATCTTTGATGATGCTCTGCGCACTAC 1244
Db |||||
1146 GGATGAGGGGAAATGGGTAGAGGAATCTTGGAATCTTTGATGATGCTCTGCGCACTAC 1205
Qy |||||
1245 TTCAAGGTTTCGAGAGTTAAACTCCACACAAAGAAATATCTGTGTCAAGGCCATGAT 1304
Db |||||
1206 TTCAAGGTTTCGAGAGTTAAACTCCACACAAAGAAATATCTGTGTCAAGGCCATGAT 1265
Qy |||||
1305 CTGTCTCAATTCAGATGATACCTCTGTGTCAAGCAACCCAGGATGCTGACAGAGCGG 1364
Db |||||
1266 CTGTCTCAATTCAGATGATACCTCTGTGTCAAGCAACCCAGGATGCTGACAGAGCGG 1325
Qy |||||
1365 GAAGTGGCTCACTTGTCTGAAAGCGCGTGAACCGATGCTTTGGTTGGGTGATGCGCAAGAG 1424
Db |||||
1326 GAAGTGGCTCACTTGTCTGAAAGCGCGTGAACCGATGCTTTGGTTGGGTGATGCGCAAGAG 1385
Qy |||||
1425 CGGCATCTCTCCACAGCAATCCATGCGCTGGCTACCTTCCCTGATGCTCTCTCTCCCA 1484
Db |||||
1386 CGGCATCTCTCCACAGCAATCCATGCGCTGGCTACCTTCCCTGATGCTCTCTCTCCCA 1445
Qy |||||
1485 CGTCAGGCATGCGAGTAAACAGGGCATGGAAATCTGTCTCAACATGAAGTCAAAAATGT 1544
Db |||||
1446 CGTCAGGCATGCGAGTAAACAGGGCATGGAAATCTGTCTCAACATGAAGTCAAAAATGT 1505
Qy |||||
1545 GGTCCAGTGTATGACCTGCTGTGAGATGCTGAATGCCACGTCCTTCCGGGTGCAA 1604
Db |||||
1506 GGTCCAGTGTATGACCTGCTGTGAGATGCTGAATGCCACGTCCTTCCGGGTGCAA 1565
Qy |||||
1605 GTCTCCATCAGGGGTCCGAGTGCAGCCCGCAGAGGACATTAAGCAAGAGGGCTC 1664
Db |||||
1566 GTCTCCATCAGGGGTCCGAGTGCAGCCCGCAGAGGACATTAAGCAAGAGGGCTC 1625
Qy |||||
1665 CCAGAACCCACAGTCTCACTGA 1686

Db 1626 CCAGAACCCACAGTCTCAGTGA 1647
RESULT 6
US-09-561-741A-2
; Sequence 2, Application US/09561741A
; Patent No. 6458551
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/561,741A
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/139,617
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/058,271
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: 60/060,520
; PRIOR FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1647
; TYPE: DNA
; ORGANISM: HUMAN
US-09-561-741A-2
Query Match 96.9%; Score 1634; DB 3; Length 1647;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1637; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 45 CCTTTGTGCTCTCTTTGCAAGGTTTCTCTCAGCTGCTATCTCAAGACATGGATATATA 104
Db |||||
6 CTTTGTAGCTCTCTTTGCAAGGTTTCTCTCAGCTGTTATCTCAAGACATGGATATATA 65
Qy 105 AAATCAACATCTAGCTTAATTTCTCTCTCTCAACTGCGAGTGAATCAATCTTACC 164
Db |||||
66 AAATCAACATCTAGCTTAATTTCTCTCTCTCAACTGCGAGTGAATCAATCTTACC 125
Qy 165 CCTCGAGCAGCGCTCCATATACATACCTTCTCTCTATGTAGACAGCCACCATGATATCC 224
Db |||||
126 CCTCGAGCAGCGCTCCATATACATACCTTCTCTCTATGTAGACAGCCACCATGATATCC 185
Qy 225 AGCATGACATCTTATAGCCCTGCTGTGATGAATTTACAGCATTCCTGCAATGTCACTAA 284
Db |||||
186 AGCATGACATCTTATAGCCCTGCTGTGATGAATTTACAGCATTCCTGCAATGTCACTAA 245
Qy 285 CTTGGAAGTGGGCTGCTGCGCAGACCAAGCCCAATGTGTTGTGGCCAAACCTGG 344
Db |||||
246 CTTGGAAGTGGGCTGCTGCGCAGACCAAGCCCAATGTGTTGTGGCCAAACCTGG 305
Qy 345 GCACCTTCTCTTTAGTGGTCCATCGCAGTATACATCTGTATCGGAACTCAAAA 404
Db |||||
306 GCACCTTCTCTTTAGTGGTCCATCGCAGTATACATCTGTATCGGAACTCAAAA 365
Qy 405 GAGTCCCTGCTGGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGACACT 464
Db |||||
366 GAGTCCCTGCTGGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGACACT 425
Qy 465 GAAAGGAAGTGTAGTGGGAAACCGTTGCGCAGCCCTGTTTCTGGTCCAGGTTCAAAGAG 524
Db |||||
426 GAAAGGAAGTGTAGTGGGAAACCGTTGCGCAGCCCTGTTTCTGGTCCAGGTTCAAAGAG 485
Qy 525 GGATGCTCATTCTCGCTGCTGCGAGTATCGCATCGGATATCACTATGGAGTCTG 584
Db |||||
486 GGATGCTCATTCTCGCTGCTGCGAGTATCGCATCGGATATCACTATGGAGTCTG 545
Qy 585 GTCTGTGAAGTGTAGGCTTTTAAAGAAAGCATTTCAAGGACATAATGATTATAT 644
Db |||||
546 GTCTGTGAAGTGTAGGCTTTTAAAGAAAGCATTTCAAGGACATAATGATTATAT 605
Qy 645 TTGTCCAGCTACAAATCAGTGTACAAATCGATATAAAACCGCGCAAGAGCTGCCAGGCTG 704

Db	606	TTGTCCAGCTACAATCAGTGTACAAATCGATAAAAACGGCCCAAGAGCTGCCAGCCTG	665
Qy	705	CCGACTTTCGGAAAGTGTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGAGAGAGAGATG	764
Db	666	CCGACTTTCGGAAAGTGTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGAGAGAGAGATG	725
Qy	765	TGGGTACCGCTTGTGCGGAGACAGAGAAGTCCCGACGACGACGTGCACTGTGCCGCAA	824
Db	726	TGGGTACCGCTTGTGCGGAGACAGAGAAGTCCCGACGACGACGTGCACTGTGCCGCAA	785
Qy	825	GGCCAAAGAAAGTGGCGGCCACCGCCCGAGTGGGGAGTGTCTGTGGACGCCCTCAG	884
Db	786	GGCCAAAGAAAGTGGCGGCCACCGCCCGAGTGGGGAGTGTCTGTGGACGCCCTCAG	845
Qy	885	CCCGAGCAGCTAGTGTCTACCCCTCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCG	944
Db	846	CCCGAGCAGCTAGTGTCTACCCCTCTGGAGGCTGAGCCGCCCCATGTGCTGATCAGCCG	905
Qy	945	CCCGAGTGGCGCTTCCCGAGGCTCCATGATGATGTCTGACCAAGTTGGCCGACAA	1004
Db	906	CCCGAGTGGCGCTTCCCGAGGCTCCATGATGATGTCTGACCAAGTTGGCCGACAA	965
Qy	1005	GGAGTTGGTACACATGATCAGCTGGCGCCCAAGAAATCCCGCTTTGTGGAGCTCAGCCT	1064
Db	966	GGAGTTGGTACACATGATCAGCTGGCGCCCAAGAAATCCCGCTTTGTGGAGCTCAGCCT	1025
Qy	1065	GTTCCGACCAAGTGGGCTCTTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGCTGAT	1124
Db	1026	GTTCCGACCAAGTGGGCTCTTTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGCTGAT	1085
Qy	1125	GTGGCGCTCAATTGACACACCGCGGCAAGCTCATCTTGTCTCCAGATCTTGTCTTGAGAG	1184
Db	1086	GTGGCGCTCAATTGACACACCGCGGCAAGCTCATCTTGTCTCCAGATCTTGTCTTGAGAG	1145
Qy	1185	GGATGAGGGAAATCGGTAGAAGAAATCTTGGAAATCTTTGACATGCTCCTGGCACTAC	1244
Db	1146	GGATGAGGGAAATCGGTAGAAGAAATCTTGGAAATCTTTGACATGCTCCTGGCACTAC	1205
Qy	1245	TTCAAGGTTTCGAGAGTTTAAACTCCAAACAAAGAAATATCTGTGTCAAGGCCATGAT	1304
Db	1206	TTCAAGGTTTCGAGAGTTTAAACTCCAAACAAAGAAATATCTGTGTCAAGGCCATGAT	1265
Qy	1305	CCTGCTCAATTCAGATATGTACCTCTGGTTCACAGCACCAGAGATGCTGACAGACCG	1364
Db	1266	CCTGCTCAATTCAGATATGTACCTCTGGTTCACAGCACCAGAGATGCTGACAGACCG	1325
Qy	1365	GAAGCTGGCTCACCTTGTGAAACGGCGTGAACCGATGCTTTGGTTGGGTGATTGCAAGAG	1424
Db	1326	GAAGCTGGCTCACCTTGTGAAACGGCGTGAACCGATGCTTTGGTTGGGTGATTGCAAGAG	1385
Qy	1425	CGGCATCTCTCCAGCAGCAATCCATCGCGCTGGCTAACCTCTGATGCTCCTGTCCCA	1484
Db	1386	CGGCATCTCTCCAGCAGCAATCCATCGCGCTGGCTAACCTCTGATGCTCCTGTCCCA	1445
Qy	1485	CGTCAGGATGCGAGTAAACAGGGCATGGAACATCTGTGCTAAACATGAAGTGCATAAATGT	1544
Db	1446	CGTCAGGATGCGAGTAAACAGGGCATGGAACATCTGTGCTAAACATGAAGTGCATAAATGT	1505
Qy	1545	GGTCCAGTGTATGACCTGCTGCTGGAGATGCTCAATGCCACGCTCTCGCGGTGCAA	1604
Db	1506	GGTCCAGTGTATGACCTGCTGCTGGAGATGCTCAATGCCACGCTCTCGCGGTGCAA	1565
Qy	1605	GTCTCCATCACGGGGTCCGAGTGCAGCCCGCAGAGGACAGTAAAAAGCAAGAGGGCTC	1664
Db	1566	GTCTCCATCACGGGGTCCGAGTGCAGCCCGCAGAGGACAGTAAAAAGCAAGAGGGCTC	1625
Qy	1665	CCAGAACCCACAGTCTCAGTGA	1686
Db	1626	CCAGAACCCACAGTCTCAGTGA	1647

US-09-558-795-2
 ; Sequence 2, Application US/09558795
 ; Patent No. 6562592
 ; GENERAL INFORMATION:
 ; APPLICANT: WILKINSON, HILARY
 ; TITLE OF INVENTION: ESTROGEN RECEPTOR
 ; FILE REFERENCE: 20047Y
 ; CURRENT APPLICATION NUMBER: US/09/558,795
 ; CURRENT FILING DATE: 2000-04-26
 ; PRIOR APPLICATION NUMBER: 09/139,617
 ; PRIOR FILING DATE: 1998-08-25
 ; PRIOR APPLICATION NUMBER: 60/058,271
 ; PRIOR FILING DATE: 1997-09-08
 ; PRIOR APPLICATION NUMBER: 60/060,520
 ; PRIOR FILING DATE: 1997-09-30
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 1647
 ; TYPE: DNA
 ; ORGANISM: HUMAN
 US-09-558-795-2

Query Match 96.9%; Score 1634; DB 4; Length 1647;
 Best Local Similarity 99.74; Pred. No. 0;
 Matches 1637; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY	45	CTTTTGGTGCCTCTTCTTGCAAGGTGTTTTCTCAGCTGCTATCTCAAGACATGGATATAAA	104
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QY	105	AAACTCACCATCTAGCCTTAATTTCTCTTCTCCTACACTGCAGTCAATCCATCTTACC	164
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QY	165	CTTGGAGCAGCGCTCCATATACATACCTTCTCTATGTAGACAGGCACCATGAATATCC	224
DB	126	CTTGGAGCAGCGCTCCATATACATACCTTCTCTATGTAGACAGGCACCATGAATATCC	185
QY	225	AGCATTGACATTTCTATAGCCCTCTGTGATGAATTACAGCATTTCCAGCAATGTCACTAA	284
DB	186	AGCATGACATTTCTATAGCCCTCTGTGATGAATTACAGCATTTCCAGCAATGTCACTAA	245
QY	285	CTTTGGAAGTGGCCCTGGTGGCAGACCAAGCCCAAAATGTGTGTGCGCAACACCTGG	344
DB	246	CTTTGGAAGTGGCCCTGGTGGCAGACCAAGCCCAAAATGTGTGTGCGCAACACCTGG	305
QY	345	GCACCTTTCTCTTTAGTGGTTCATCGCAGTTATCACATCTGTATGCGGAACCTCAAAA	404
DB	306	GCACCTTTCTCTTTAGTGGTTCATCGCAGTTATCACATCTGTATGCGGAACCTCAAAA	365
QY	405	GAGTCCCTGTGTGAAGCAAGATCGCTAGAACACACTTTACCTGTATAACAGAGAGACACT	464
DB	366	GAGTCCCTGTGTGAAGCAAGATCGCTAGAACACACTTTACCTGTATAACAGAGAGACACT	425
QY	465	GAAGAAGGATGTAGTGGGAAACCGTTTGGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAG	524
DB	426	GAAGAAGGATGTAGTGGGAAACCGTTTGGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAG	485
QY	525	GGATGCTCACTTCTGCGCTGTCTGCAAGCATTACGATCGGATATCATATGGAGTCTG	584
DB	486	GGATGCTCACTTCTGCGCTGTCTGCAAGCATTACGATCGGATATCATATGGAGTCTG	545
QY	585	GTGCTGTGAAGGATGAAGGCCCTTTTAAAGAGACATTTCAAGGACATAAATGATTATAT	644
DB	546	GTGCTGTGAAGGATGAAGGCCCTTTTAAAGAGACATTTCAAGGACATAAATGATTATAT	605
QY	645	TTGTCAGCTACAAATCAGTGTACAAATCGATAAAACCGCGCAAGAGCTGCCAGGCCTG	704
DB	606	TTGTCAGCTACAAATCAGTGTACAAATCGATAAAACCGCGCAAGAGCTGCCAGGCCTG	665
QY	705	CCGACTTCGGAAGTGTTCAGAAATGGGAAATGTGTAAGTGTGGCTCCCGGAGAGAGATG	764


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Db 666 CCGACTTCGGAAGTGTTCAGAAATGGTGAAGTGTGGCTCCCGGAGAGAGATG 725
Qy 765 TGGGTACCGCTTTGTGGGAGACAGAGAAAGTCCGACGAGAGCTGCTGCTGCGGCAA 824
Db 726 TGGGTACCGCTTTGTGGGAGACAGAGAAAGTCCGACGAGAGCTGCTGCTGCGGCAA 785
Qy 825 GGCACAGAGAAAGTGGCGGCGCACCGCGCCGAGAGTGGGAGAGTGTCTGCTGAGACCCCTGAG 884
Db 786 GGCACAGAGAAAGTGGCGGCGCACCGCGCCGAGAGTGGGAGAGTGTCTGCTGAGACCCCTGAG 845
Qy 885 CCCGAGGACGCTAGTCTCACCCTCTGGAGGCTGAGCGCCCATGCTGATCAGCG 944
Db 846 CCCGAGGACGCTAGTCTCACCCTCTGGAGGCTGAGCGCCCATGCTGATCAGCG 905
Qy 945 CCCAGTGGCGCTTCCACCGAGGCTCCATGATGATGCTCCGACCAAGTGGCGGACAA 1004
Db 906 CCCAGTGGCGCTTCCACCGAGGCTCCATGATGATGCTCCGACCAAGTGGCGGACAA 965
Qy 1005 GGAGTTGGTACACATGATCAGCTGGGCGCAAGAAAGATTCGCGCTTTGTGGAGTCAAGCT 1064
Db 966 GGAGTTGGTACACATGATCAGCTGGGCGCAAGAAAGATTCGCGCTTTGTGGAGTCAAGCT 1025
Qy 1065 GTTCGACCAAGTGGCGCTTTGAGAGCTGTTGGATGGAGGTTAAATGATGGGCTGAT 1124
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Qy 1125 GTGGCGCTCAATTGACACACCGCGCAAGCTCATCTTTGCTCCAGATCTTTGTTCTGACAG 1184
Db 1086 GTGGCGCTCAATTGACACACCGCGCAAGCTCATCTTTGCTCCAGATCTTTGTTCTGACAG 1145
Qy 1185 GGATGAGGGGAAATCGGTAGAGGAATTCGGAATTCGGAATTCCTTGACATGCTCTGCGCAACTAC 1244
Db 1146 GGATGAGGGGAAATCGGTAGAGGAATTCGGAATTCCTTGACATGCTCTGCGCAACTAC 1205
Qy 1245 TTCAAGGTTTCGAGGTTAAAGTCCAAACAGAGAAATCTCTGCTCAAGGCCATGAT 1304
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Qy 1305 CTGCTCAATTCAGTATGTACCTCTGCTCAGCGACCCAGGATGCTGACAGAGCGG 1364
Db 1266 CTGCTCAATTCAGTATGTACCTCTGCTCAGCGACCCAGGATGCTGACAGAGCGG 1325
Qy 1365 GAAGCTGGCTCACTGCTGAAAGCCGCTGACCGATGCTTTGGTTTGGGTGATTCGCAAGAG 1424
Db 1326 GAAGCTGGCTCACTGCTGAAAGCCGCTGACCGATGCTTTGGTTTGGGTGATTCGCAAGAG 1385
Qy 1425 CGGCATCTCTCCAGAGCAATCCATGCGCTGCGCTAACCTCTGATGCTCTGCTGCCA 1484
Db 1386 CGGCATCTCTCCAGAGCAATCCATGCGCTGCGCTAACCTCTGATGCTCTGCTGCCA 1445
Qy 1485 CGTCAGGCATGCGAGTAAACAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAATGT 1544
Db 1446 CGTCAGGCATGCGAGTAAACAGGGCATGGAACATCTGCTCAACATGAAGTGCAAAATGT 1505
Qy 1545 GGTCCAGGTATGACCTGCTGAGATGCTGGAATGCCAGCTGCTTCCGGGTGCAA 1604
Db 1506 GGTCCAGGTATGACCTGCTGAGATGCTGGAATGCCAGCTGCTTCCGGGTGCAA 1565
Qy 1605 GTCTCTCATCAGCGGCTCCAGTGGCGCCGCGAGAGGACAGTAAAGCAAGAGGGCTC 1664
Db 1566 GTCTCTCATCAGCGGCTCCAGTGGCGCCGCGAGAGGACAGTAAAGCAAGAGGGCTC 1625
Qy 1665 CCAGAACCCACAGCTCAGTGA 1686
Db 1626 CCAGAACCCACAGCTCAGTGA 1647

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RESULT 8
 US-08-836-620A-4
 ; Sequence 4, Application US/08836620A
 ; Patent No. 5958710
 ; GENERAL INFORMATION:
 ; APPLICANT:

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; TITLE OF INVENTION: Orphan receptor
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836.620A
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP96/03933
; FILING DATE:
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9609576.5
; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1460 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-08-836-620A-4

Query Match      86.2%; Score 1453.6; DB 2; Length 1460;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1456; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 227 CCATGACATTCCTATAGCCCTGCTGTGATGAATTAACAGCATTCCTCCAGCAATGTCATACT 286
Db 1 CTAAGACATTCCTACAGTCTCTGCTGTGATGAATTAACAGCATTCCTCCAGCAATGTCATACT 60
Qy 287 TGGAAAGTGGGCTGCTGCGGACAGACCAAGCCCAAAATGTTGTGGCCAAACCTGGGC 346
Db 61 TGGAAAGTGGGCTGCTGCGGACAGACCAAGCCCAAAATGTTGTGGCCAAACCTGGGC 120
Qy 347 ACCTTTCTCCTTTAGTGTGCTCATGCCAGTTTATACATCTGTATCGGAAACCTCAAAAGA 406
Db 121 ACCTTTCTCCTTTAGTGTGCTCATGCCAGTTTATACATCTGTATCGGAAACCTCAAAAGA 180
Qy 407 GTCCCTGCTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTATAACAGAGAGACACTGA 466
Db 181 GTCCCTGCTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTATAACAGAGAGACACTGA 240
Qy 467 AAAGAAAGTTAGTGGGAAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAGAGGG 526
Db 241 AAAGAAAGTTAGTGGGAAACCGTTTTCGCGCAGCCCTGTTACTGGTCCAGGTTCAAGAGGG 300
Qy 527 ATGCTCACTCTTGGGCTGCTGTCAGCGATTACGCATCGGGATATCACTATGGAGTCTGCT 586
Db 301 ATGCTCACTCTTGGGCTGCTGTCAGCGATTACGCATCGGGATATCACTATGGAGTCTGCT 360
Qy 587 CGTGTGAAGGATGTAAGGCCCTTTTAAAGAAAGCAATCAAGGACATATGATATATATTT 646
Db 361 CGTGTGAAGGATGTAAGGCCCTTTTAAAGAAAGCAATCAAGGACATATGATATATATTT 420
Qy 647 GTCCAGCTTACAAATCAGTGTACAATCGATATAAAACCGCGCGCAAGAGCTGCCAGGCTGCC 706
Db 421 GTCCAGCTTACAAATCAGTGTACAATCGATATAAAACCGCGCGCAAGAGCTGCCAGGCTGCC 480
Qy 707 GACTTCGGAAGTGTTCAGAGTGGGAATGGTGAAGTGGCTCCCGGAGAGAGAGATGTG 766
Db 481 GACTTCGGAAGTGTTCAGAGTGGGAATGGTGAAGTGGCTCCCGGAGAGAGAGATGTG 540

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QY 1033 AAGAAGATTCCCGCTTTGTGGAGCTCAGCCCTGTTTCGACCAAGTGCAGGCTCTTTGGAGAGC 1092
DB 781 AAGAAGATTCCCGCTTTGTGGAGCTCAGCCCTGTTTCGACCAAGTGCAGGCTCTTTGGAGAGC 840
QY 1093 TGTGGATGGAGGTAAATGATGGGCTGATGTGGGCTCAATTGACCAACCCCGGCAAG 1152
DB 841 TGTGGATGGAGGTAAATGATGGGCTGATGTGGGCTCAATTGACCAACCCCGGCAAG 900
QY 1153 CTATCTTTGCTCCAGATCTTTGTTCTGGACAGAGGATGAGGGAAATCGGTAGAGGAATT 1212
DB 901 CTATCTTTGCTCCAGATCTTTGTTCTGGACAGAGGATGAGGGAAATCGGTAGAGGAATT 960
QY 1213 CTGAAATCTTTGATGCTCTCTGGCAACTACTTTCAAGGTTTCGAGAGTTTAAATCTCAA 1272
DB 961 CTGAAATCTTTGATGCTCTCTGGCAACTACTTTCAAGGTTTCGAGAGTTTAAATCTCAA 1020
QY 1273 CACAAAGAAATATCTCTGTGTCGAGGCTGATCTCTGCTCAATTCAGTATGTACCCCTCG 1332
DB 1021 CACAAAGAAATATCTCTGTGTCGAGGCTGATCTCTGCTCAATTCAGTATGTACCCCTCG 1080
QY 1333 GTACAGAGCCAGGATGCTGACAGAGCCGGAAGCTGCTCACTTTGCTGAAACGCCGTG 1392
DB 1081 GTACAGAGCCAGGATGCTGACAGAGCCGGAAGCTGCTCACTTTGCTGAAACGCCGTG 1140
QY 1393 ACCGATCTTTGGTTGGTGATTTGCCAAGAGCGGCAATCTCTCCAGCAGCAATCCATG 1452
DB 1141 ACCGATCTTTGGTTGGTGATTTGCCAAGAGCGGCAATCTCTCCAGCAGCAATCCATG 1200
QY 1453 CGCTGCTTAACCTCTGATGCTCTCTGTCGACAGCCGGAAGCTGCTCACTTTGCTGAAACGCCGTG 1512
DB 1201 CGCTGCTTAACCTCTGATGCTCTCTGTCGACAGCCGGAAGCTGCTCACTTTGCTGAAACGCCGTG 1260
QY 1513 GAACATCTGCTCAACATGAAGTCAAAATGTCGTCCAGTGATGACCTGCTGCTGGAG 1572
DB 1261 GAACATCTGCTCAACATGAAGTCAAAATGTCGTCCAGTGATGACCTGCTGCTGGAG 1320
QY 1573 ATGCTGAATGCCACGTGCTTCCGGGTGCAAGTCTCTCCATCAGCGGGTCCGAGTGCAGC 1632
DB 1321 ATGCTGAATGCCACGTGCTTCCGGGTGCAAGTCTCTCCATCAGCGGGTCCGAGTGCAGC 1380
QY 1633 CCGCAGAGCAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1686
DB 1381 CCGCAGAGCAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1434

RESULT 10
US-09-711-288-1
; Sequence 1, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711.288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1
; LENGTH: 1434
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-1
Query Match 85.1%; Score 1434; DB 4; Length 1434;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1434; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 253 ATGAATTTACAGATTTCCAGCAATGTCACTAACTTTGGAAGTGGGCTGTGTCGCGAGACC 312
DB 1 ATGAATTTACAGATTTCCAGCAATGTCACTAACTTTGGAAGTGGGCTGTGTCGCGAGACC 60
QY 313 ACAGGCCAAATGTGTTGTGGCCAAACACTGGGCACCTTTCTCTTTTAGTGTTCATCGC 372
DB 61 ACAGGCCAAATGTGTTGTGGCCAAACACTGGGCACCTTTCTCTTTTAGTGTTCATCGC 120
QY 373 CAGTTATACATCTGTATGCGGAACCTCAAAAGAGTCCCTGTGTGAAGCAAGATCGCTA 432
DB 121 CAGTTATACATCTGTATGCGGAACCTCAAAAGAGTCCCTGTGTGAAGCAAGATCGCTA 180
QY 433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAGAGGAGTTAGTGGGAACCGTTGC 492
DB 181 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAGAGGAGTTAGTGGGAACCGTTGC 240
QY 493 GCGAGCCCTGTTACTGGTCCAGGTTCAAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 552
DB 241 GCGAGCCCTGTTACTGGTCCAGGTTCAAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 300
QY 553 GATTACGCATCCGGATATCACTATGAGTCTGCTGTGAAGGATGTAAGGCTTTTTT 612
DB 301 GATTACGCATCCGGATATCACTATGAGTCTGCTGTGAAGGATGTAAGGCTTTTTT 360
QY 613 AAAAGAAGCATTTCAAGGACATTAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
DB 361 AAAAGAAGCATTTCAAGGACATTAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 420
QY 673 GATAAAACCCGCGCAAGAGCTGCCAGGCTCCGACCTCCGACCTTGGAAAGTGTACGAAGTGGGA 732
DB 421 GATAAAACCCGCGCAAGAGCTGCCAGGCTCCGACCTCCGACCTTGGAAAGTGTACGAAGTGGGA 480
QY 733 ATGTTGAAAGTGTGGCTCCCGGAGAGAGATGCTGGGTACCGCTTGTGCGGAGACAGAGA 792
DB 481 ATGTTGAAAGTGTGGCTCCCGGAGAGAGATGCTGGGTACCGCTTGTGCGGAGACAGAGA 540
QY 793 AGTGGCGAGCAGCAGCTGCACCTGTGCCGCAAGGCAAGAGAGTGGCGGCCACGCGCCC 852
DB 541 AGTGGCGAGCAGCAGCTGCACCTGTGCCGCAAGGCAAGAGAGTGGCGGCCACGCGCCC 600
QY 853 CAGATGCGGGAGCTGCTGTGAGCGCTGAGCCCTGAGCCCGGAGCAGCTAGTGTCAACCTCTCTG 912
DB 601 CAGATGCGGGAGCTGCTGTGAGCGCTGAGCCCGGAGCAGCTAGTGTCAACCTCTCTG 660
QY 913 GAGGCTGAGCCGCCCATGTGATCAGCCGCCCATGTGCTGATCAGCCGCCCATGTGCTGCTCC 972
DB 661 GAGGCTGAGCCGCCCATGTGATGATCAGCCGCCCATGTGCTGATCAGCCGCCCATGTGCTCC 720
QY 973 ATGATGATGTCTCCCTGACCAAGTTGGCCGACAAAGGATTTGGTACATGATCAGTGGGCC 1032
DB 721 ATGATGATGTCTCCCTGACCAAGTTGGCCGACAAAGGATTTGGTACATGATCAGTGGGCC 780
QY 1033 AAGAAGATTTCCCGGCTTTGTGAGCTCAGCCTGTTGACCAAGTGGGCTCTTTGGAGAGC 1092
DB 781 AAGAAGATTTCCCGGCTTTGTGAGCTCAGCCTGTTGACCAAGTGGGCTCTTTGGAGAGC 840
QY 1093 TGTTCGATGGAGTGTAAATGATGGGCTGATGTGCGCTCAATTTGACCAACCCCGGCAAG 1152
DB 841 TGTTCGATGGAGTGTAAATGATGGGCTGATGTGCGCTCAATTTGACCAACCCCGGCAAG 900
QY 1153 CTCTCTTTGCTCCAGATCTTTGTTCTGGACAGGATGAGGGAAATCGGTAGAGGAATT 1212
DB 901 CTCTCTTTGCTCCAGATCTTTGTTCTGGACAGGATGAGGGAAATCGGTAGAGGAATT 960
QY 1213 CTGGAAATCTTTGACATGCTCTGTCGAACTACTTCAAGGTTTCGAGAGTTTAAATCTCAA 1272
DB 961 CTGGAAATCTTTGACATGCTCTGTCGAACTACTTCAAGGTTTCGAGAGTTTAAATCTCAA 1020
QY 1273 CACAAAGAAATATCTCTGTGTCGAGGCTGATCTCTGCTCAATTCAGTATGTACCCCTCG 1332
DB 1021 CACAAAGAAATATCTCTGTGTCGAGGCTGATCTCTGCTCAATTCAGTATGTACCCCTCG 1080

QY 1333 GTCACAGGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGTCTGAACGCCGTG 1392
DB 1081 GTCACAGCAGCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTGTCTGAACGCCGTG 1140
QY 1393 ACCGATGCTTTGGTTGGGTGATTTGCCAAGAGCGGCATCTCTCCACAGCAGCAATCCATG 1452
DB 1141 ACCGATGCTTTGGTTGGGTGATTTGCCAAGAGCGGCATCTCTCCACAGCAGCAATCCATG 1200
QY 1453 CGCTGGCTAACCTCTCATGCTCTGTCCTCCACAGCTCAGGCATGCGAGTAAACAAGGGCATG 1512
DB 1201 CGCTGGCTAACCTCTCATGCTCTGTCCTCCACAGCTCAGGCATGCGAGTAAACAAGGGCATG 1260
QY 1513 GAACATCTGCTCAACATGAAGTGCAGAAATGTGGTCCCAAGTGTATGACCTGCTCTCTGGAG 1572
DB 1261 GAACATCTGCTCAACATGAAGTGCAGAAATGTGGTCCCAAGTGTATGACCTGCTCTCTGGAG 1320
QY 1573 ATGCTGAATGCCAGCTGCTTCCGGGGTGCAAGTCTCTCCATCAAGGGGTCGAGTGCAGC 1632
DB 1321 ATGCTGAATGCCAGCTGCTTCCGGGGTGCAAGTCTCTCCATCAAGGGGTCGAGTGCAGC 1380
QY 1633 CCGCAGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1686
DB 1381 CCGCAGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1434

RESULT 11
US-09-608-088-2
; Sequence 2, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/DI
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-608-088-2

Query Match 74.0%; Score 1247; DB 4; Length 1251;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 253 ATGAATTACAGCATTCACAGCAATGTCTGAGTGGAGTGGCTGGTGGAGAGC 312
DB 1 ATGAATTACAGCATTCACAGCAATGTCTGAGTGGAGTGGCTGGTGGAGAGC 60
QY 313 ACAAGCCCAATGTGTGGTGGCCCAACACCTGGGCACTTTCTCTTTAGTGGTCCATCGC 372
DB 61 ACAAGCCCAATGTGTGGTGGCCCAACACCTGGGCACTTTCTCTTTAGTGGTCCATCGC 120
QY 373 CAGTTATCATCTGTATGCGGAACCTCAAAAGATCCCTGGTGTGAGCAAGATCGCTA 432
DB 121 CAGTTATCATCTGTATGCGGAACCTCAAAAGATCCCTGGTGTGAGCAAGATCGCTA 180
QY 433 GAACACACCTTACCTGTAAACAGAGACAGACTGAAAGGAAGTGTAGTGGAGCCGTGC 492
DB 181 GAACACACCTTACCTGTAAACAGAGACAGACTGAAAGGAAGTGTAGTGGAGCCGTGC 240
QY 493 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCTGCGCTGTCTGCAGC 552

DB 241 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGATGCTCACTTCTGCGTGTCTGCAGC 300
QY 553 GATTACGCATCGGATATCACTATGGAGTCTGCTGCTGTAAGGATGTAAAGCCCTTTT 612
DB 301 GATTACGCATCGGATATCACTATGGAGTCTGCTGCTGTAAGGATGTAAAGCCCTTTT 360
QY 613 AAAAAGAGCAATCAAGGACATAATGATTATTTGTCAGCTACAAATCAGTGTACAATC 672
DB 361 AAAAAGAGCAATCAAGGACATAATGATTATTTGTCAGCTACAAATCAGTGTACAATC 420
QY 673 GATAAAAACCGGCGCAGAGCTGCCAGGCTGCCGACTTCGGAAGTGTAAAGTGGGA 732
DB 421 GATAAAAACCGGCGCAGAGCTGCCAGGCTGCCGACTTCGGAAGTGTAAAGTGGGA 480
QY 733 ATGGTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGGGAGACAGAGA 792
DB 481 ATGGTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGGGAGACAGAGA 540
QY 793 AGTCCGAGCAGAGCAGCTGCACCTGTGCGGCAAGGCCAAAGAGAGTGGCGGCCACGCCCC 852
DB 541 AGTCCGAGCAGAGCAGCTGCACCTGTGCGGCAAGGCCAAAGAGAGTGGCGGCCACGCCCC 600
QY 853 CGAGTCCGAGAGCTGCTGTCGACGCTGTCGAGCGCCCTGAGCGCCGAGCAGCTAGTGTCA 912
DB 601 CGAGTCCGAGAGCTGCTGTCGACGCTGTCGAGCGCCCTGAGCGCCGAGCAGCTAGTGTCA 660
QY 913 GAGGCTGAGCGCGCCCATGCTGATCAGCGCGCCCGAGTGCAGCTTCAACGAGGCTCC 972
DB 661 GAGGCTGAGCGCGCCCATGCTGATCAGCGCGCCCGAGTGCAGCTTCAACGAGGCTCC 720
QY 973 ATGATGATGCTCCCTGACCAAGTTGGCGGCAAGGAGTGTGTACACATGATCAGTGGGCC 1032
DB 721 ATGATGATGCTCCCTGACCAAGTTGGCGGCAAGGAGTGTGTACACATGATCAGTGGGCC 780
QY 1033 AAGAAGATTCGCGGCTTTGTGAGCTCAGCTGTTCGACCAAGTGGCGCTTTTGGAGAGC 1092
DB 781 AAGAAGATTCGCGGCTTTGTGAGCTCAGCTGTTCGACCAAGTGGCGCTTTTGGAGAGC 840
QY 1093 TGTGGATGGAGTGTAAATGATGGGCTGATGTGGGCTCAATTCACCAACCCCGGCAAG 1152
DB 841 TGTGGATGGAGTGTAAATGATGGGCTGATGTGGGCTCAATTCACCAACCCCGGCAAG 900
QY 1153 CTCATCTTTGCTCCAGATCTTGTTCGACAGGATGAGGGGAAATGCGGTAGAAGGAAT 1212
DB 901 CTCATCTTTGCTCCAGATCTTGTTCGACAGGATGAGGGGAAATGCGGTAGAAGGAAT 960
QY 1213 CTGGAAATCTTTGACATGCTCTCGCAACTACTTCAAGGTTTCGAGAGTAAAACTCCAA 1272
DB 961 CTGGAAATCTTTGACATGCTCTCGCAACTACTTCAAGGTTTCGAGAGTAAAACTCCAA 1020
QY 1273 GACAAAGATATCTCTGTCAAGGCCATGATCCTGCTCAATTCAGATATGATACCTCTG 1332
DB 1021 GACAAAGATATCTCTGTCAAGGCCATGATCCTGCTCAATTCAGATATGATACCTCTG 1080
QY 1333 GTCAACAGCAGCCAGGATGCTGACAGCAGCCGGAAGTGGCTCACTTGTGTGAACGCCGTG 1392
DB 1081 GTCAACAGCAGCCAGGATGCTGACAGCAGCCGGAAGTGGCTCACTTGTGTGAACGCCGTG 1140
QY 1393 ACCGATGCTTTGGTTGGGTGATTTGCCAAGAGCGGCATCTCTCCAGCAGCAATCCATG 1452
DB 1141 ACCGATGCTTTGGTTGGGTGATTTGCCAAGAGCGGCATCTCTCCAGCAGCAATCCATG 1200
QY 1453 CGCCTGGCTTAACCTCTGATGCTCTGTCCTGTCAGGTCAGGCATGCGAG 1499
DB 1201 CGCCTGGCTTAACCTCTGATGCTCTGTCCTGTCAGGTCAGGCATGCGAG 1247

RESULT 12
US-09-711-288-2
; Sequence 2, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse

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; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270e1 Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-711-288-2

Query Match      74.0%; Score 1247; DB 4; Length 1251;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 253 ATGAATTACAGCAATCCAGCAATGTCACCTTGGAAAGGTGGGCTGGTGGGAGACC 312
DB 1 ATGAATTACAGCAATCCAGCAATGTCACCTTGGAAAGGTGGGCTGGTGGGAGACC 60

QY 313 ACAAGCCCAAAATGTGTGGCCCAACACCTGGGCACTTCTCCTTTAGTGGTCCATGCG 372
DB 61 ACAAGCCCAAAATGTGTGGCCCAACACCTGGGCACTTCTCCTTTAGTGGTCCATGCG 120

QY 373 CAGTTATCATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432
DB 121 CAGTTATCATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 180

QY 433 GAACACACCTTACTGTAAACAGAGAGACACTGAAAGAGAGTTAGTGGGAACCGTTGC 492
DB 181 GAACACACCTTACTGTAAACAGAGAGACACTGAAAGAGAGTTAGTGGGAACCGTTGC 240

QY 493 GCCAGCCCTGTACTCGTCCAGGTTCAAGAGAGGATGCTCACTTCGCGCTGTCTGCAGC 552
DB 241 GCCAGCCCTGTACTCGTCCAGGTTCAAGAGAGGATGCTCACTTCGCGCTGTCTGCAGC 300

QY 553 GATTAGCGATCGGGATATCACTATGGAGTCTGCTGTGGAAGGATGAAGGCTTTT 612
DB 301 GATTAGCGATCGGGATATCACTATGGAGTCTGCTGTGGAAGGATGAAGGCTTTT 360

QY 613 AAAAGAAGCATCAAGGACATAATGATATATTTGTCAGCTACAAATCAGTGTCAATC 672
DB 361 AAAAGAAGCATCAAGGACATAATGATATATTTGTCAGCTACAAATCAGTGTCAATC 420

QY 673 GATAAAACCGGCGCAGAGCTCCAGGCTGCGGACTTCGGAAGTGTACGAAGTGGGA 732
DB 421 GATAAAACCGGCGCAGAGCTCCAGGCTGCGGACTTCGGAAGTGTACGAAGTGGGA 480

QY 733 ATGCTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 792
DB 481 ATGCTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 540

QY 793 AGTCCGAGCAGAGCTGCACTGTGCGGCAAGGCCAAGAGAGTGGGCGGCCACGCGCCC 852
DB 541 AGTCCGAGCAGAGCTGCACTGTGCGGCAAGGCCAAGAGAGTGGGCGGCCACGCGCCC 600

QY 853 CGAGTGGGGAGTGTGCTGGAGCGCCCTGAGCCCGAGCAGTGTGCTCACTCCCTCTG 912
DB 601 CGAGTGGGGAGTGTGCTGGAGCGCCCTGAGCCCGAGCAGTGTGCTCACTCCCTCTG 660

QY 913 GAGGCTGAGCGCCCAATGTGCTGATCAGCGCCCGCAGTGTGCTTCCCGAGGCGCTCC 972
DB 661 GAGGCTGAGCGCCCAATGTGCTGATCAGCGCCCGCAGTGTGCTTCCCGAGGCGCTCC 720

QY 973 ATGATGATGTCTCTGACCAAGTTGGCGGCAAGAGGTTGGTACACATGATCAGTGGGCC 1032
DB 973 ATGATGATGTCTCTGACCAAGTTGGCGGCAAGAGGTTGGTACACATGATCAGTGGGCC

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DB 721 ATGATGATGTCTCTGACCAAGTTGGCCGACCAAGAGTTGGTACACATGATCAGTGGGCC 780
QY 1033 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTCCGGCTCTTTGGAGAGC 1092
DB 781 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTCCGGCTCTTTGGAGAGC 840
QY 1093 TGTGGATGGAGGTGTTAATGATGGGGCTGATGGGCGCTCAATTTGACCACCCCGGCAAG 1152
DB 841 TGTGGATGGAGGTGTTAATGATGGGGCTGATGGGCGCTCAATTTGACCACCCCGGCAAG 900
QY 1153 CTCATCTTTGCTCCAGATCTTGTCTGACAGGGATGAGGGGAAATCGTAGAAGGAAT 1212
DB 901 CTCATCTTTGCTCCAGATCTTGTCTGACAGGGATGAGGGGAAATCGTAGAAGGAAT 960
QY 1213 CTGGAATCTTTGACATGCTCTCTGCAACTACTTCAAGGTTTCGAGAGTTAAATCTCAA 1272
DB 961 CTGGAATCTTTGACATGCTCTCTGCAACTACTTCAAGGTTTCGAGAGTTAAATCTCAA 1020
QY 1273 CACAAAGAAATATCTCTGTCTCAAGCCATGATCTGCTCAATTCAGTATGTACCTCTG 1332
DB 1021 CACAAAGAAATATCTCTGTCTCAAGCCATGATCTGCTCAATTCAGTATGTACCTCTG 1080
QY 1333 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTCTGTAACCCCGTG 1392
DB 1081 GTCACAGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCACTTCTGTAACCCCGTG 1140
QY 1393 ACCGATGCTTTGGTGTGTTGCGCAACTACTTCAAGGTTTCGAGAGTTAAATCTCAA 1452
DB 1141 ACCGATGCTTTGGTGTGTTGCGCAACTACTTCAAGGTTTCGAGAGTTAAATCTCAA 1200
QY 1453 CGCCTGGCTAACTCTCTGATGCTCTGTCCTCCAGCGCATCTCTCTCCAGCAGCAATCCATG 1499
DB 1201 CGCCTGGCTAACTCTCTGATGCTCTGTCCTCCAGCGCATCTCTCTCCAGCAGCAATCCATG 1247

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RESULT 13
US-09-608-088-20
; Sequence 20, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368e1 Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-608-088-20

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Query Match      74.0%; Score 1247; DB 4; Length 1251;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 253 ATGAATTACAGCAATCCAGCAATGTCACCTTGGAAAGGTGGGCTGGTGGGAGACC 312
DB 1 ATGAATTACAGCAATCCAGCAATGTCACCTTGGAAAGGTGGGCTGGTGGGAGACC 60

QY 313 ACAAGCCCAAAATGTGTGGCCCAACACCTGGGCACTTCTCCTTTAGTGGTCCATGCG 372
DB 61 ACAAGCCCAAAATGTGTGGCCCAACACCTGGGCACTTCTCCTTTAGTGGTCCATGCG 120

QY 373 CAGTTATCATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432

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Db 121 ||||| CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 180
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Db 181 GAAACACCTTACCTGTTAAACAGAGAGACACTGAAAGAAAGGTTAGTGGAAACCGTTGC 240
QY 493 GCCAGCCCTGTTACTGTTCCAGGTTCAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 552
Db 241 GCCAGCCCTGTTACTGTTCCAGGTTCAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 300
QY 553 GATTACGCATCGGATATCATATGAGTCTGGTCTGGTGAAGATGTAGGCGCTTTT 612
Db 301 GATTACGCATCGGATATCATATGAGTCTGGTCTGGTGAAGATGTAGGCGCTTTT 360
QY 613 AAAAGAACATTCAAGGACATAATGATTATATTTGTCAGCTCAAAATCAGTGTAACATC 672
Db 361 AAAAGAACATTCAAGGACATAATGATTATATTTGTCAGCTCAAAATCAGTGTAACATC 420
QY 673 GATAAAAACCGGCGCAAGAGCTGCCAGCCTGCCGACTTCGAAAGTGTACGAAGTGGGA 732
Db 421 GATAAAAACCGGCGCAAGAGCTGCCAGCCTGCCGACTTCGAAAGTGTACGAAGTGGGA 480
QY 733 ATGTTGAAGTGTGGCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 792
Db 481 ATGTTGAAGTGTGGCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 540
QY 793 AGTCCCGAGAGAGAGCTGCACTGTGCGGCGCAAGGCGCAAGAGAGTGGGCGCCAGCGCCC 852
Db 541 AGTCCCGAGAGAGAGCTGCACTGTGCGGCGCAAGGCGCAAGAGAGTGGGCGCCAGCGCCC 600
QY 853 CGAGTCGGGAGCTGCTGCTGGAGCGCCTGAGCGCCCGAGAGCTAGTGCTCACCCCTCTG 912
Db 601 CGAGTCGGGAGCTGCTGCTGGAGCGCCTGAGCGCCCGAGAGCTAGTGCTCACCCCTCTG 660
QY 913 GAGCTGAGCGGCCCAATGTCTGATCAGCGCGCCCGAGAGCGCCCTTCAACCGAGGCTCC 972
Db 661 GAGCTGAGCGGCCCAATGTCTGATCAGCGCGCCCGAGAGCGCCCTTCAACCGAGGCTCC 720
QY 973 ATGATGATGTCCTGACCAAGTGTGGCGCAAGAGAGTGTGTACATGATCAGCTGGGCC 1032
Db 721 ATGATGATGTCCTGACCAAGTGTGGCGCAAGAGAGTGTGTACATGATCAGCTGGGCC 780
QY 1033 AAGAAGATTCCCGCTTTGTGGAGCTCAGCGCTGTTCGACCAAGTGGCGCTCAATTTGAGAGC 1092
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QY 1093 TGTGTGATGAGGTGTTAATGATGGGCTGATGTGGCGCTCAATTTGACCAACCCCGCAAG 1152
Db 841 TGTGTGATGAGGTGTTAATGATGGGCTGATGTGGCGCTCAATTTGACCAACCCCGCAAG 900
QY 1153 CTCATCTTTGCTCCAGATCTTTGTTCTGGACAGGATGAGGGAAATGCGTAGAAGAAAT 1212
Db 901 CTCATCTTTGCTCCAGATCTTTGTTCTGGACAGGATGAGGGAAATGCGTAGAAGAAAT 960
QY 1213 CTGGAATCTTTGACATGCTCTGGCAACTTCAAGGTTTCGAGAGTTTAAACTCCAA 1272
Db 961 CTGGAATCTTTGACATGCTCTGGCAACTTCAAGGTTTCGAGAGTTTAAACTCCAA 1020
QY 1273 CACAAAGAAATATCTCTGTGTCAAGGCGATGATCCTGTCAATTTCCAGTATGTACCCCTCTG 1332
Db 1021 CACAAAGAAATATCTCTGTGTCAAGGCGATGATCCTGTCAATTTCCAGTATGTACCCCTCTG 1080
QY 1333 GTCACAGCGACCCAGGATGTGACAGAGCGCGGAAGCTGGCTCACTTGTGAAACCGCGTG 1392
Db 1081 GTCACAGCGACCCAGGATGTGACAGAGCGCGGAAGCTGGCTCACTTGTGAAACCGCGTG 1140
QY 1393 ACCGATGCTTTGTTGGTGTATTCAGAGCGGATCTCTCCAGAGAGCAATCCATG 1452
Db 1141 ACCGATGCTTTGTTGGTGTATTCAGAGCGGATCTCTCCAGAGAGCAATCCATG 1200
QY 1453 CGCCTGGCTAACCTCTGATGCTCTGTCACCGCTCAGGCAATCGAG 1499
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Db 1201 CGCCTGGCTAACCTCCTGATGCTCTCTGTGCCAGCTCAGGCAATCGAG 1247
RESULT 14
US-09-711-288-20
; Sequence 20, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/836,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 1257
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-20
Query Match 74.0%; Score 1247; DB 4; Length 1257;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 253 ATGAATTACAGCATTTCCAGCAATGTCACCTTGGAGGTTGGGCTGGTGGCAGACC 312
Db 1 ATGAATTACAGCATTTCCAGCAATGTCACCTTGGAGGTTGGGCTGGTGGCAGACC 60
QY 313 ACAAGCCCAAAATGTGTGGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 372
Db 61 ACAAGCCCAAAATGTGTGGGCCAACACCTGGGCACCTTTCTCCTTTAGTGGTCCATCGC 120
QY 373 CAGTTATCATCATCTGTATGCGGAAACCTCAAAAGAGTCCCTGTGTGAAGCAAGATCGCTA 432
Db 121 CAGTTATCATCATCTGTATGCGGAAACCTCAAAAGAGTCCCTGTGTGAAGCAAGATCGCTA 180
QY 433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAGAAAGTGTAGTGGAAACCGTTCG 492
Db 181 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAGAAAGTGTAGTGGAAACCGTTCG 240
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Db 241 GCCAGCCCTGTTACTGTTCCAGGTTCAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 300
QY 553 GATTACGCATCGGATATCATATGAGTCTGGTCTGTGAAGAGATGTAAAGGCGCTTTT 612
Db 301 GATTACGCATCGGATATCATATGAGTCTGGTCTGTGAAGAGATGTAAAGGCGCTTTT 360
QY 613 AAAAGAACATTCAAGGACATAATGATTATATTTGTCAGCTCAAAATCAGTGTAACATC 672
Db 361 AAAAGAACATTCAAGGACATAATGATTATATTTGTCAGCTCAAAATCAGTGTAACATC 420
QY 673 GATAAAAACCGGCGCAAGAGCTGCCAGCCTGCCGACTTCGGAAGTGTACGAAGTGGGA 732
Db 421 GATAAAAACCGGCGCAAGAGCTGCCAGCCTGCCGACTTCGGAAGTGTACGAAGTGGGA 480
QY 733 ATGTTGAAGTGTGGCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 792
Db 481 ATGTTGAAGTGTGGCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 540
QY 793 AGTCCCGAGAGAGAGCTGCACTGTGCGGCGCAAGGCGCAAGAGAGTGGGCGCCAGCGCCC 852
Db 541 AGTCCCGAGAGAGAGCTGCACTGTGCGGCGCAAGGCGCAAGAGAGTGGGCGCCAGCGCCC 600
QY 853 CGAGTCGGGAGCTGCTGCTGGAGCGCCTGAGCGCCCGAGAGCTAGTGCTCACCCCTCTG 912
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Db	601	CGAGTGGGGAGCTGCTCTGGACGCCCTGAGCCCGGAGCAGCTAGTGCTCACCTCTGTG	660
Qy	913	GAGGCTGAGCGCCGCCATGTGCTGATCAGCGCCGCCCACTGTCGCCCTTCCAGGAGCCTCC	972
Db	661	GAGGCTGAGCGCCGCCATGTGCTGATCAGCGCCGCCCACTGTCGCCCTTCCAGGAGCCTCC	720
Qy	973	ATGATGATGCCCTGACCAAGTTGGCGGACACAAGGATTTGGTACACATGATCAGCTGGGCC	1032
Db	721	ATGATGATGTCCTCTGACCAAGTTGGCGGACAAGGATTTGGTACACATGATCAGCTGGGCC	780
Qy	1033	AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTGCGGCTCTTTGGAGAGC	1092
Db	781	AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTGCGGCTCTTTGGAGAGC	840
Qy	1093	TGTTGGATGGAGGTGTTAATGATGGGCGTGATGGCGCTCAATTGACCAACCCGGCAAG	1152
Db	841	TGTTGGATGGAGGTGTTAATGATGGGCGTGATGGCGCTCAATTGACCAACCCGGCAAG	900
Qy	1153	CTCATCTTTGTCTCCAGATCTTTGTTCTGGACAGGGATGAGGGGAAATCGTAGAAGGAATT	1212
Db	901	CTCATCTTTGTCTCCAGATCTTTGTTCTGGACAGGGATGAGGGGAAATCGTAGAAGGAATT	960
Qy	1213	CTGGAATCTTTGACATGCTCCTGGCAACTACTTTCAGAGTTTCGAGAGTTTAAAACTCAA	1272
Db	961	CTGGAATCTTTGACATGCTCCTGGCAACTACTTTCAGAGTTTCGAGAGTTTAAAACTCAA	1020
Qy	1273	CACAAAGAATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCCTGTG	1332
Db	1021	CACAAAGATATCTCTGTGTCAAGGCCATGATCCTGCTCAATTCCAGTATGTACCCCTGTG	1080
Qy	1333	GTCAACGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCATCTTGCTGAACCGCGTG	1392
Db	1081	GTCAACGCGACCCAGGATGCTGACAGCAGCCGGAAGCTGGCTCATCTTGCTGAACCGCGTG	1140
Qy	1393	ACCGATGCTTTGGTTTGGGTGATTGCCAAGACGGGCATCTCCTCCACAGCAGCAATCCATG	1452
Db	1141	ACCGATGCTTTGGTTTGGGTGATTGCCAAGACGGGCATCTCCTCCACAGCAGCAATCCATG	1200
Qy	1453	CGCCTGCTAACTCTCTGATGCTCCTGTGCCACGTCCAGGCATGCCAG	1499
Db	1201	CGCCTGCTAACTCTCTGATGCTCCTGTGCCACGTCCAGGCATGCCAG	1247

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Db 1048 CGGCTGAAGGAGCTACTGCTGAGCACCTTGAGTCCAGAGCAACTGGTGCTCACCCCTCTG 1107
Qy 913 GAGGCTGAGCGCGCCCACTGCTGATCAGCGCCCAAGTGCGCCCTTTCAACGAGGCTCC 972
Db 1108 GAAGCTGAACCAACCAATGCTGCTGAGCGCTCCAGCATGCCCTTTACCGAGGCTCC 1167
Qy 973 ATGATGATGTCCTTGACCAAGTTGGCGGCAAGAGTTGGTACACATGATCAGTGGGCC 1032
Db 1168 ATGATGATGTCCTTCACTAAGCTGGCGGCAAGGAATGGTGGACATGATGGCTGGGCC 1227
Qy 1033 AAGAAGATCCCGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTGGCGCTCTTTGGAGAGC 1092
Db 1228 AAGAAATCCCTGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTCCGGCTCTTAGAAGC 1287
Qy 1093 TGTGGATGAGGTGTAATGATGGGCTGATGTGGGCTCAATGACCAACCCCGCAAG 1152
Db 1288 TGTGGATGAGGTGCTAATGTTGGGACTGATGTGGGCTCCATCGACACCCCGCAAG 1347
Qy 1153 CTCATCTTTGCTCCAGATCTTGTGGAGGAGTGGGAAATCGGTAGAGGAAT 1212
Db 1348 CTCAATTTCCGACCTCGTTCTGGACAGGATGAGGGGAAGTGGGTAGAGGAAT 1407
Qy 1213 CTGGAATCTTTGACATGCTCTGGCAACTACTTCAAGGTTTCGAGAGTTAAACTCCAA 1272
Db 1408 CTGGAATCTTTGACATGCTCTGGGACGACGCTCAAGGTTCCGTGAGTTAAACTCCAG 1467
Qy 1273 CACAAAGATATCTCTGTGTCAGAGGCAATGATCCTGCTCAATTCAGATGTACCTCTG 1332
Db 1468 CACAGAGATATCTCTGTGTAAGGCAATGATCCTCTCAACTCCAGTATGTACCCCTTG 1527
Qy 1333 GTCACAGGACCCAGAGTCTGACAGCGGAGCTGGCTCACTTGTCTGACGCGTG 1392
Db 1528 GCTTCGCAACCCAGGAGGAGAAAGTAGCCGGAAGCTGACACACCTACTGAAACGCGTG 1587
Qy 1393 ACCGATGCTTTGGTGGTGATTTGCAAGAGCGCATCTCTCCAGCAGCAATCCATG 1452
Db 1588 ACAGATGCCCTGGTCTGGGTGATTTGCGAGAGTGGTATCTCTCCAGCAGCAGTCAGTC 1647
Qy 1453 CGCCTGGCTAACTCTCTGATGCTCTGTCACGTCAGGCATCGAGTAACAAAGGCGATG 1512
Db 1648 CGACTGGCCAACTCCTGATGCTTCTTCTCAGCTCAGGCACATCAGTAACAAGGCGATG 1707
Qy 1513 GAACATCTGCTCAACATGAAGTGCAAAATGTGGTCCCAAGTGTATGACCTGCTGTGGAG 1572
Db 1708 GAACATCTGCTCAGCATGAAGTGCAAAATGTGGTCCCGGTGTATGACCTGCTGTGGAG 1767
Qy 1573 ATGCTGAATGCCACGCTGCTTCGCGGTGCAAGTCTCCATCAGCGGGTCCGAGTGCAGC 1632
Db 1768 ATGCTGAATGCTCACACGCTTCGAGGGTCAAGTCTCAATCTCGGGGTCTGAGTGCAGC 1827
Qy 1633 CCGGAGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1686
Db 1828 TCAACAGAGGACAGTAAAGCAAGAGAGCTCCAGAACCTACAGTCTCAGTGA 1881

Search completed: March 10, 2005, 01:11:58
Job time : 360 secs